LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Posillico Consulting 1750 New Highway Farmingdale, NY 11735 ATTN: Mr. Ellis Koch

April 21, 2014

SUBJECT: Glen Isle, Data Validation

Dear Mr. Koch,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on March 6, 2014. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #31445:

SDG #	<u>Fraction</u>		
80-55087-1, 480-55092-1 80-55157-1, 480-55212-1 80-53297-2	•	Semivolatiles, nated Biphenyls,	Pesticides,

The data validation was performed under category A and B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region II Functional Guidelines for Evaluating Organic Analyses, September 2006
- USEPA Region 2 Standard Operating Procedure for Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13, September 2006
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01, June 2008
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste. update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA. April 1998; IIIB, November 2004; Update IV, February 2007



Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Project Manager/Chemist

Attachment 1

10,990 pages-DL	_	
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	Cat A/CatB EDD			70 J. V.	LC	oc;	#31	44	5 (F	os,	illic	0 (Por	ısu	ltin	g -	Fa	rmi	ing	dal	e, 1	۷Y.	I G	len	Isl	e)_										
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Α	480-55087-1	03/06/14	03/27/14	0	0	1	17	1	16	<u> -</u>		1	18																							
A	480-55087-1	03/06/14	03/27/14	- /10		0	11	0	12	<u>L-</u> _	-	0	10																							
В	480-55092-1		03/27/14		0	2	4	1	5	<u> </u>	-	2	5																							
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С	480-55157-1		03/27/14		0	1	26	1	24	<u> </u>	-	1	26																							
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Site:

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-55087-1

Reviewer:

Christina Rink and Josephine Go /Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-XC-020-02	480-55087-1	SVOC, Pesticides
LT-XC-020-4-6	480-55087-2	SVOC, Pesticides
LT-XC-020-6-8	480-55087-3	SVOC, Pesticides
CC-C-042-0-2**	480-55087-4	SVOC**, Pesticides**
CC-C-042-2-4**	480-55087-5	SVOC**, Pesticides**
CC-C-042-8-10	480-55087-7	SVOC, Pesticides
CC-C-043-0-2**	480-55087-8	SVOC**, Pesticides**
CC-C-043-2-4	480-55087-9	SVOC, Pesticides
CC-C-043-6-8**	480-55087-10	SVOC**, Pesticides**
DUP026	480-55087-12	SVOC, Pesticides
CC-C-044-0-2	480-55087-13	SVOC, Pesticides
CC-C-044-4-6	480-55087-14	SVOC, Pesticides
CC-C-044-8-10**	480-55087-16	SVOC**, Pesticides**
FB027	480-55087-17	SVOC, Pesticides
CC-C-045-0-2	480-55087-18	SVOC, Pesticides
CC-C-045-4-6**	480-55087-19	SVOC**, Pesticides**
CC-C-045-8-10	480-55087-21	SVOC, Pesticides
LT-C-048-0-2	480-55087-22	SVOC, Pesticides
LT-C-048-2-4	480-55087-23	SVOC, Pesticides
LT-C-048-6-8**	480-55087-24	SVOC, Pesticides**
CC-C-046-0-2**	480-55087-25	SVOC**, Pesticides**
CC-C-046-4-6**	480-55087-26	SVOC**, Pesticides**
CC-C-046-8-10	480-55087-28	SVOC, Pesticides
CC-C-047-0-2**	480-55087-29	SVOC**, Pesticides**
CC-C-047-2-4**	480-55087-30	SVOC**, Pesticides**
CC-C-047-8-10**	480-55087-31	SVOC**, Pesticides**
LT-C-049-0-2	480-55087-32	SVOC, Pesticides
LT-C-049-2-4	480-55087-33	SVOC, Pesticides
LT-C-049-8-10	480-55087-34	SVOC, Pesticides
CC-C-051-8-10**	480-55087-36	VOC**
CC-C-042-2-4MS	480-55087-5MS	SVOC
CC-C-042-2-4MSD	480-55087-5MSD	SVOC
CC-C-042-8-10MS	480-55087-7MS	Pesticides
CC-C-042-8-10MSD	480-55087-7MSD	Pesticides

Samples Reviewed and Evaluation Summary (continued)

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-043-6-8MS CC-C-043-6-8MSD CC-C-046-0-2MS CC-C-046-0-2MSD CC-C-046-4-6MS	480-55087-10MS 480-55087-10MSD 480-55087-25MS 480-55087-25MSD 480-55087-26MS	SVOC, Pesticides SVOC, Pesticides Pesticides Pesticides SVOC
CC-C-046-4-6MSD	480-55087-26MSD	SVOC

Associated QC Samples(s):

Field/Trip Blanks: FB028 (from SDG 480-55157-1), FB027

Field Duplicate pair: CC-C-042-0-2** and DUP026

The above-listed soil and water samples were collected on February 20, 2014 through February 21, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exceptions listed below.

The SVOC nondetect results for benzaldehyde in samples CC-C-046-0-2**, CC-C-047-0-2**, CC-C-046-4-6**, CC-C-047-2-4**, CC-C-047-8-10**, CC-C-042-0-2**, CC-C-044-8-10**, CC-C-042-2-4**, CC-C-043-0-2**, and CC-C-045-4-6** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument	Compound	CC %D	Associated Samples		Validation Action
Date	10	Compound	/01	Associated Samples		Validation Action
2/25/14	C37214	Acetone	24.9	CC-C-051-8-10**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- += Response factor (RRF) < 0.05 or < 0.01 and < 0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/26/14	V8260	Hexachlorocyclopentadiene	22.1	CC-C-046-0-2** CC-C-047-0-2**	XX	UJ nondetects
2/26/14	V8261	Benzaldehyde	102.4	CC-C-046-0-2** CC-C-047-0-2**	XXX	R nondetects
2/26/14	V8281	4-Nitrophenol	29.2	CC-C-046-4-6**	XX	UJ nondetects
2/26/14	V8282	Benzaldehyde	90.9	CC-C-046-4-6**	XXX	R nondetects
2/27/14	V8302	Hexachlorocyclopentadiene 4-Nitrophenol	30.0 21.2	CC-C-047-2-4** CC-C-047-8-10**	XX XX	UJ nondetects UJ nondetects
2/27/14	V8305	Benzaldehyde	91.1	CC-C-047-2-4** CC-C-047-8-10**	XXX	R nondetects
2/28/14	V8377	Benzaldehyde	87.7	CC-C-043-6-8**	XX	UJ nondetects

Glen Isle, NYSDEC, Project Number: RWI1401

	Instrument		CC			
Date	ID	Compound	%D	Associated Samples		Validation Action
2/25/14	X0087928	Hexachlorocyclopentadiene	20.7	CC-C-042-0-2**	XX	UJ nondetects
		4-Nitrophenol	22.4	CC-C-044-8-10**	XX	UJ nondetects
		Butylbenzylphthalate	20.2		XX	UJ nondetects
2/25/14	X0087929	Benzaldehyde	98.5	CC-C-042-0-2**	XXX	R nondetects
		-		CC-C-044-8-10**		
2/26/14	X0087958	2,4-Dinitrophenol	21.2	CC-C-042-2-4**	XX	UJ nondetects
		4-Nitrophenol	21.4	CC-C-043-0-2**	XX	UJ nondetects
				CC-C-045-4-6**		
2/26/14	X0087958	Butylbenzylphthalate	25.0	CC-C-042-2-4**	XX	UJ nondetects
				CC-C-043-0-2**	XX	UJ nondetects
2/26/14	X0087958	Butylbenzylphthalate	25.0	CC-C-045-4-6**	XX	J detects
2/26/14	X0087959	Benzaldehyde	102.4	CC-C-042-2-4**	XXX	R nondetects
		•		CC-C-043-0-2**		
				CC-C-045-4-6**		
2/7/14	V7680	Benzaldehyde	117.6	CC-C-046-0-2**	SS	UJ nondetects
		<u>-</u>		CC-C-046-4-6**		
				CC-C-047-0-2**		
				CC-C-047-2-4**		
				CC-C-047-8-10**		

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- += Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as estimated (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzaldehyde in samples CC-C-046-0-2**, CC-C-047-0-2**, CC-C-046-4-6**, CC-C-047-2-4**, CC-C-047-8-10**, CC-C-042-0-2**, CC-C-044-8-10**, CC-C-042-2-4**, CC-C-043-0-2**, and CC-C-045-4-6** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

	Instrument			CC			
Date	ID	Column	Compound	%D	Associated Samples		Validation Action
2/25/14	5-5198	RTX-CLP I	Heptachlor	33.8	LT-C-048-6-8**	XX	UJ nondetects
			Aldrin	35.2		•	UJ nondetects
l			Heptachlor epoxide	30.4			UJ nondetects
			Endosulfan I	22.6			UJ nondetects
			Dieldrin	20.6			UJ nondetects
1/7/14	25_65064	RTX-CLP2	Toxapene	32.7	CC-C-042-0-2**	XX	UJ nonddetects
			_		CC-C-042-2-4**		
					CC-C-043-0-2**		
					CC-C-044-8-10**		
					CC-C-045-4-6**		

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 (from SDG 480-55157-1) for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Methylene chloride	0.65 ug/L	<2x RL	CC-C-051-8-10**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Laboratory Job 480-55087-1, Organics, Page 6 of 15

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB027 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB027	Di-n-butylphthalate	0.52 ug/L	<rl< th=""><th>LT-XC-020-02</th></rl<>	LT-XC-020-02
				LT-XC-020-4-6
				LT-XC-020-6-8
				CC-C-042-0-2**
				CC-C-042-2-4**
				CC-C-042-8-10
				CC-C-043-0-2**
				CC-C-043-2-4
	ļ			CC-C-043-6-8**
	1			DUP026
				CC-C-044-0-2
				CC-C-044-4-6
				CC-C-044-8-10**
				CC-C-045-0-2
				CC-C-045-4-6**
				CC-C-045-8-10
				LT-C-048-0-2
				LT-C-048-2-4
				LT-C-048-6-8
				CC-C-046-0-2**
				CC-C-046-4-6**
	,			CC-C-046-8-10
				CC-C-047-0-2**
				CC-C-047-2-4**
				CC-C-047-8-10**
				LT-C-049-0-2
				LT-C-049-2-4
				LT-C-049-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and < the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167475/1-A	delta-BHC	0.524 ug/Kg	<rl< td=""><td>LT-C-048-2-4</td></rl<>	LT-C-048-2-4
				CC-C-046-0-2**
				CC-C-046-4-6**
				CC-C-046-8-10
				CC-C-047-0-2**
				CC-C-047-2-4**
				CC-C-047-8-10**
				LT-C-049-0-2
MB 480-167623/1-A	delta-BHC	0.371 ug/Kg	<rl< td=""><td>CC-C-043-6-8**</td></rl<>	CC-C-043-6-8**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and < the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified.

Contamination was detected in the field blank FB027 for the pesticide analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB027	alpha-BHC	0.0085 ug/L	<rl< th=""><th>LT-XC-020-02</th></rl<>	LT-XC-020-02
				LT-XC-020-4-6
				LT-XC-020-6-8
		:		CC-C-042-0-2**
				CC-C-042-2-4**
				CC-C-042-8-10
				CC-C-043-0-2**
				CC-C-043-2-4
				CC-C-043-6-8**
		i		DUP026
				CC-C-044-0-2
				CC-C-044-4-6
				CC-C-044-8-10**
				CC-C-045-0-2
				CC-C-045-4-6**
				CC-C-045-8-10
				LT-C-048-0-2
				LT-C-048-2-4
				LT-C-048-6-8**
				CC-C-046-0-2**
				CC-C-046-4-6**
				CC-C-046-8-10
				CC-C-047-0-2**
				CC-C-047-2-4**
				CC-C-047-8-10**
				LT-C-049-0-2
				LT-C-049-2-4
				LT-C-049-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples LT-XC-020-02, CC-C-042-0-2**, CC-C-042-2-4**, CC-C-043-0-2**, CC-C-043-2-4, CC-C-043-6-8**, DUP026, CC-C-044-0-2, CC-C-045-0-2, CC-C-045-4-6**, CC-C-045-8-10, LT-C-048-2-4, CC-C-046-0-2**, CC-C-045-0-2**, C

046-4-6**, CC-C-046-8-10, CC-C-047-0-2**, CC-C-047-2-4**, CC-C-047-8-10**, and LT-C-049-0-2. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples CC-C-042-2-4**, CC-C-043-6-8**, and CC-C-046-4-6** for SVOC. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Company	MS %R	MSD %R	RPD	Affected Commis	Volidation Astion
Compound	(Limits)	(Limits)	(Limits)	Affected Sample	Validation Action
Pyrene	135 (51-133)	-	-	CC-C-042-2-4**	J detects

⁻ Within control limits

The pyrene results may be biased high. The results can be used for project objectives as estimate (J) which may have a minor impact on the data usability.

Pesticide

MS/MSD analyses were performed on samples CC-C-042-8-10, CC-C-043-6-8** and CC-C-046-0-2** for pesticide. All criteria were met.

LCS Results

VOC, SVOC, and Pesticide

All criteria were met.

Internal Standards

VOC

All criteria were met.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions. Internal standards were not reviewed for samples reviewed by Category A criteria.

Laboratory Job 480-55087-1, Organics, Page 10 of 15

		Area Exceedances	Affected	
Sample	Internal Standard	(Limits)	Compounds	Validation actions
CC-C-043-6-8**	Perylene-d12	249268 (295743-1182970)	Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects
CC-C-044-8-10**	Chrysene-d12	160699 (190277-761106)	3,3'-Dichlorobenzidine	UJ nondetects
			Benzo(a)anthracene	UJ nondetects
			Chrysene	UJ nondetects
			Bis(2-ethylhexyl)phthalate	UJ nondetects
			Di-n-octylphthalate	UJ nondetects
CC-C-043-0-2**	Chrysene-d12	163159 (174199-696794)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
			Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects
CC-C-045-4-6**	Chrysene-d12	144748 (174199-696794)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
			Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
ľ			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

Samples CC-C-042-0-2 and DUP026 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

	Concentration (ug/Kg)		RPD	Difference	
Compound	CC-C-042-0-2	DUP026	(Limits)	(Limits)	Action
2-Methylnaphthalene	16	290	-	274 (≤3800)	
Acenaphthene	23	180	-	157 (≤3800)	-
Acenaphthylene	42	1900U	_	1858 (≤3800)	-
Anthracene	93	270	_	177 (≤3800)	-
Benzo(a)anthracene	410	580	-	170 (≤3800)	-
Benzo(a)pyrene	360	610	_	250 (≤3800)	-
Benzo(b)fluoranthene	420	730	-	310 (≤3800)	-
Benzo(g,h,i)perylene	3 O 0	820	-	520 (≤3800)	-
Benzo(k)fluoranthene	4 O 0	320	-	80 (≤3800)	_
Bis(2-ethylhexyl)phthalate	87	1900U.	-	1813 (≤3800)	-
Carbazole	23	1900U	- 1	1877 (≤3800)	-
Chrysene	4 4 0	640	-	200 (≤3800)	<u> </u>
Dibenzo(a,h)anthracene	54	1900U		1846 (≤3800)	-
Dibenzofuran	17	110	-	93 (≤3800)	
Fluoranthene	540	860		320 (≤3800)	-
Fluorene	28	140	-	112 (≤3800)	-
Indeno(1,2,3-cd)pyrene	350	1900U	_	1550 (≤3800)	-
Naphthalene	19 0 U	160		30 (≤380)	-
Phenanthrene	360	880		520 (≤3800)	-
Pyrene	840	1100	-	260 (≤3800)	-

⁻⁼no action required

For soil results > 5xQL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Pesticide

Samples CC-C-042-0-2 and DUPO26 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

	Concentratio	RPD	Difference		
Compound	CC-C-042-0-2	DUP026	(Limits)	(Limits)	Action
4,4'-DDD	51	49	-	2 (≤380)	-
4,4'-DDT	80	80	_	0 (≤380)	-

⁻no action required

For soil results > 5xQL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

	VOC Analysis
Sample	Reported
CC-C-051-8-10**	2-fold dilution due to nature of sample matrix

Sample	SVOC Analysis Reported
CC-C-043-0-2** DUP026 CC-C-044-0-2 CC-C-045-4-6**	10-fold dilution due to nature of sample matrix
CC-C-046-0-2** CC-C-046-8-10 CC-C-047-0-2**	5-fold dilution due to nature of sample matrix

	Pesticide Analysis
Sample	Reported
LT-XC-020-02	100-fold dilution due to nature of sample matrix
CC-C-042-0-2**	
CC-C-043-0-2**	
DUP026	
CC-C-047-2-4**	
CC-C-042-2-4**	50-fold dilution due to nature of sample matrix
CC-C-043-6-8**	
CC-C-044-0-2	
CC-C-045-0-2	
CC-C-045-4-6**	
CC-C-045-8-10	
CC-C-043-2-4	10-fold dilution due to nature of sample matrix
LT-C-048-2-4	
CC-C-046-8-10	<u> </u>
CC-C-046-0-2**	20-fold dilution due to nature of sample matrix
CC-C-046-4-6**	
CC-C-047-0-2**	
CC-C-047-8-10**	
LT-C-049-0-2	

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Glen Isle, NYSDEC, Project Number: RWI1401

		RPD	
Sample	Compound	(%)	Validation Actions
CC-C-042-0-2**	4,4'-DDD	33.23	J detects
CC-C-042-2-4**	alpha-Chlordane	27.73	J detects
CC-C-045-4-6**	4,4'-DDE	47.96	J detects
•	4,4'-DDD	33.55	J detects
	Methoxychlor	32.19	J detects
CC-C-046-0-2**	alpha-Chlordane	60.47	J detects
	4,4'-DDE	29.09	J detects
CC-C-046-4-6**	beta-BHC	149.69	JN detects
CC-C-046-4-6**	alpha-Chlordane	61.93	J detects
	4,4'-DDE	32.76	J detects
	4,4'-DDT	56.87	J detects
	Endrin ketone	41.93	J detects
CC-C-047-0-2**	alpha-Chlordane	54.58	J detects
CC-C-047-8-10*	gamma-Chlordane	32.97	J detects
	4,4'-DDT	69.34	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445A1a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-55087-1 Laboratory: Test America, Inc. Cat A/Cat B

2nd Reviewer:

8266C

METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/2/14
II.	GC/MS Instrument performance check	À	Not reviewed for Cat A review.
fil.	Initial calibration	À	Not reviewed for Cat A review. $\frac{2}{3}$ ASD $\frac{2}{3}$ $\frac{2}{3}$
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CCV ≤ 20 % CV ≤ 30 %
V.	Blanks	A	
VI.	Surrogate spikes	Á	
VII.	Matrix spike/Matrix spike duplicates	2	CS
VIII.	Laboratory control samples	A	LCS /b
IX.	Regional Quality Assurance and Quality Control	N	
Χ	Internal standards	A	
XI.	Target compound identification	À	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SAY	Not reviewed for Cat A review. MDL & RCSUITS & RL = Jacts /A
XIII.	Tentitatively identified compounds (TICs)	- 1	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates		
XVII.	Field blanks	SIK	FB = FB028 (480-55157-1)

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	<u> </u>				 	
1	CC-C-051-8-10 ** (2x)	11	MB 480-167329/	21	31	·
2	()	12_	/8_	Q 22	32	
3		13_		23	 33	
4		14		24	34	
5		15_		25	 35	
6		16		26	 36	
7		17_		27	 37	
8		18		28	 38	
9		19		29	39	
10		20		30	40	

LDC #: 31445 AIC

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page:_	<u>\</u> of
Reviewer:_	JVG
2nd Reviewer:	02_

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". YN N/A
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y(N)N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <u><</u> 20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/25/14	C 37214	F	24.9		All (M)	J/NJ/A
	- / - / - /	· · · · · · · · · · · · · · · · · · ·				()	5/10//
						 	
						 	
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LDC #:	31	445	AIC
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VALIDATION FINDINGS WORKSHEET Field Blanks

	Page:	<u>\</u> of_
F	Reviewer:	JVG
2nd F	Reviewer:	9
	_	

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?

Y N N/A Were target compounds detected in the field blanks?

Blank units: W / Associated sample units: N/A Sampling date: 2 /21 / 14

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:_____ Associated Samples:_____

Compound	Blank ID	Sample Identification						
	FB628							
F	0.65							

Blank units:	Associated sample units:
Sampling date:	

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: Associated Samples:

Compound	Blank ID	 Sample Identification							
The state of the s									
	· · · ·								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445A1a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

1	of	1
	JVC	3
	0	7
	1	1_ of _ JV(

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
1		Calibration	}		RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound	(IS)	(RRF 25 std)	(RRF 25 std)	(Initial)	(Initial)		
1	ICAL	02/18/14	MTBE	(IS1)	1.3282	1.3282	1.3522	1.3522	5.5	5.5
	HP5973C		Chlorobenzene	(IS2)	2.6260	2.6260	2.6733	2.6733	1.9	1.9
			1,1,2,2-TCA	(IS3)	1.1548	1.1548	1.1875	1.1875	2.9	2.9

LDC # 31455A1a

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound,

Cx = Concentration of compound,

Ais = Area of associated internal standard

Cis = Concentration of internal standard

						Reported	Recalculated	Reported	Recalculated
		Calibration	ļ		Average RRF	RRF	RRF	% D	%D
#	Standard ID	Date	Compound	(IS)	(Initial)	(CC)	(CC)		
1	c37214	2/25/2014	MTBE	(IS1)	1.3522	1.4487	1.4487	7.1	7.1
			Chlorobenzene	(IS2)	2.6733	2.5319	2.5319	5.3	5.3
			1,1,2,2-TCA	(IS3)	1.1875	1.1480	1.1480	3.3	3.3

CCV1

Cis/Cx	Compoun	d	Ax	Ais
50/50	MTBE	(IS1)	733114	506035
50/50	Chlorobenzene	(IS2)	624436	246629
50/50	1,1,2,2-TCA	(IS3)	270340	235479

LDC#: 31445 AM

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:_	<u>1_of_1_</u>
Reviewer:_	JVG
2nd reviewer:_	CN

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: # /

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	25,0	24.4	97	97.6	1.0
Toluene-d8		21.1	84	84	0
Bromofluorobenzene	 	23.3	93	92	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:_

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8			- 		
Bromofluorobenzene					

LDC#: 31445 AIR

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample Results Verification

	Page:_	1_of_1_
	Reviewer:_	JVG
2nd	Reviewer:	
	_	

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration

SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 167329 /6,7-A

	s	pike	Spiked	l Sample		CS		:SD	LCS	/I CSD
Compound	11	ided ३ /K५)	11 .	entration	Percent	Recovery	Percent	Recovery	F	RPD_
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	2500	2500	2530	2520	101	101	101	181	o	9
Trichloroethene			2710	2700	108	108	108	188	ø	\rightarrow \right
Benzene			2580	520º	103	105	103	170.3	40 0	δ
Toluene			2540	2590	102	10 /	104	401	2	2
Chlorobenzene	Y	Y	2480	2480	99	99	79	90	ò	8

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31 445 A1a

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

YN N/A
Were all reported results recalculated and verified for all level IV samples?
Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Conce	ntratio	$n = \frac{(A_s)(I_s)(DF)}{(A_{ls})(RRF)(V_0)(\%S)}$	Example:
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D, Chloro benzene
A _{is}	=	Area of the characteristic ion (EICP) for the specific internal standard	
l _s	=	Amount of internal standard added in nanograms (ng)	Conc. = (46445)(25)(5ml)(5)(2) (268267)(2.6733)(1.036g)(0.100ml)(0.875)
RRF	=	Relative response factor of the calibration standard.	1 10/3/
V _o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).	= 893, 0
Df	=	Dilution factor.	= 890 ug/rg
%S	=	Percent solids, applicable to soils and solid matrices	0

	only.				
#	Sample ID	Compound	Reported Concentration (^{Ug} /ka)	Calculated Concentration ()	Qualification
			890		
	· · · · · · · · · · · · · · · · · · ·				
			<u> </u>		

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			<u> </u>	1	<u> </u>

	USEPA Regions SW846 Methor	on II od 8260 / 8 VOA	Date: August 2008 SOP: HW-24, Rev. 2
ı.	:	PACKAGE COMPLETENESS AND DELIVERAB	YES NO N/A
CASE	NUMBER/_GD	G#: 314454 / 480-55087-1 LAB: 7	Test America Buffalo
SITE	NAME:	Gien Isle	
1.0	Data Comple	eteness and Deliverables	
		ll data been submitted in CLP deli t or CLP Forms Equivalent?	verable
		If not, note the effect on review the Data Assessment narrative.	of the data in
2.0	Cover Lette	er, SDG Narrative	
		laboratory narrative, and/or cover d release present?	letter
		ase number and SDG number(s) conta e narrative or cover letter?	ined
		If not, note the effect on review the Data Assessment narrative.	of the data in
II.		VOLATILE ANALYSES	
1.0	Traffic Rep	ports and Laboratory Narrative	
	from	ne Traffic Reports, and/or Chain o the field samplers present for all release present?	
		If no, contact the laboratory/samp of missing or illegible copies.	oling team for replacement
	1.2 Is a	sampling trip report present (if r	required)?
	1.3 Sample	e Conditions/Problems	
		- 6 VOA -	

USEPA Region II SW846 Method 8260% VOA

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded?

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with NaHSO4, the maximum holding time is 14 days from sample collection. If

USEPA Region II c SW846 Method 8260% VOA

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION:

Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action		
			Detected Associated Compounds	Non-Detected Associated Compounds	
Aqueous No ≤7 days No quali		ualifications			
	No	≻ 7 days	J	R	
	Yes	≤14 days	No qu	ualifications	
	Yes	≻ 14 days	J	R	
Non Aqueous	No	≾ 14 days	J	R	
İ	Yes	≤ 14 days	No qualifications		
,	Yes/No	≻ 14 days	J	R	

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1		the volatile surrogate recoveries been listevery forms for each of the following matrices	
	a.	Water	ц
	b.	Soil	<u> </u>
3.2		o, are all the samples listed on the approprivery forms for each matrix:	late Surrogate
	a.	Water	u
	b.	Soil	M

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

USEPA Region II c SW846 Method 8260 VOA

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

3.3 Were the surrogate recovery limits followed per Table 2. If Table 2 criteria were not followed, the laboratory may use inhouse performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements.

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

3.4 Were outliers marked correctly with an asterisk?

ACTION: Circle all outliers with a red pencil.

3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2.

If yes, were samples reanalyzed?

Were method blanks reanalyzed?

□ _ ✓

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YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

- 1. Flag all positive results as estimated ("J").
- Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
- 3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

- Positive results are qualified with ("J").
- 2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

ц /_

ACTION: If large errors exist, take action as specified in section 3.2 above.

- 4.0 <u>Laboratory Control Sample (Form III/Equivalent)</u>
 - 4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

USEPA Region II Date: August 2008 SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A LCS consists of an aliquot of a clean (control) matrix Note: similar to the sample matrix and of the same weight or volume. If any Laboratory Control Sample data are missing, ACTION: call the lab for explanation /resubmittals. Make note in the data assessment. 4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices: Α. Water В. Soil C. Med Soil Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above. 4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? []

4.5

Were one or more of the volatile LCS recoveries outside the in

house laboratory recovery criteria for spiked analytes? If inhouse limits are not present use 70 - 130% recovery limits./

1

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YES NO N/A

[]

Table 3. LCS Actions for Volatile Analysis

Criteria	Action		
	Detected Spiked Compounds	Non-Detected Spiked Compounds	
%R > Upper Acceptance Limit	J	No Qualifiers	
%R < Lower Acceptance Limit	J	UJ	
Lower Acceptance Limit ≤ %R	No Qual	Lifications	

5.0 Matrix Spikes(Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III?

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

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YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a.	Water		
b.	Waste		
c.	Soil/Solid	\Box	

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment.

Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

- 5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix.
- 5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4.

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

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YES NO N/A

NOTE:

No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note:

The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to he MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note:

In those instances where it can be determine that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note:

The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION:

Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action		
	Detected Spiked Compounds	Non-Detected Spiked Compounds	
%R > Upper Acceptance Limit	J	No Qualifiers	
%R < Lower Acceptance Limit	J	UJ	
Lower Acceptance Limit ≤ %R	No Qualifications		

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YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present?

<u>_____</u>

- 6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?
- 6.3 Has a method blank been analyzed for each GC/MS system used ?

__ __

- ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject ® all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.
- 6.4 Chromatography: review the blank raw data chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds?

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are <u>not</u> used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

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YES NO N/A

7.2 Do any field/rinse blanks have positive volatile organic compound results?

ACTION: Pr

Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE:

All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION:

Follow the directions in Table 5 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

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Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL*	≥ CRQL	Use professional judgement
		< CRQL	Report CRQL value with a U
Method, Storage, Field,	> CRQL*	<pre></pre>	Report the concentration for the sample with a U, or qualify the data as unusable R
Trip, Instrument**		<pre></pre>	Use professional judgement
		< CRQL	Report CRQL value with a U
	= CRQL*	≥ CRQL	Use professional judgement
	Gross contam- ination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

NOTE:

If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

^{**} Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

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YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample?

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ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

- 9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?
- 9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

_ _ _

9.3 Has an instrument performance check solution (BFB)

USEPA Region II Date: August 2008 SW846 Method 8260 VOA SOP: HW-24, Rev. 2 YES NO N/A been analyzed for every twelve hours of sample analysis per instrument? (see Table 4, SW-846, page 8260B-36) ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available. ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval. If mass assignment is in error, flag all associated sample ACTION: data as unusable, "R". 9.4 Have the ion abundances been normalized to m/z 95? 9.5 Have the ion abundance criteria been met for each instrument used? ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet). If ion abundance criteria are not met, take action as ACTION: specified in section 3.2. 9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.) 9.7 Have the appropriate number of significant figures (two) been reported? If large errors exist, take action as specified in ACTION: section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

data should be accepted, qualified, or rejected.

Use professional judgement to determine whether associated

ACTION:

			ion II hod 8260% VOA	Date: Augu SOP: HW-24	
					YES NO N/A
10.0	Targe	et An	alytes (CLP Form I Equivalent)		
	10.1	pres	the Organic Analysis reporting form ent with required header informatio, for each of the following:		
		a.	Samples and/or fractions as approp	riate	ı√ — —
		b.	Matrix spikes and matrix spike dup	licates	<u>u</u>
		c.	Blanks		
		d.	Laboratory Control Samples		
					e transprimer production and the second
	10.2	iden Repo	the reconstructed Ion Chromatograms tified compounds, and the data syst rts) included in the sample package owing?	em printou	ts (Quant
		a.	Samples and/or fractions as approp	riate	TT _
		b.	Matrix spikes and matrix spike dup (Mass spectra not required)	olicates	ц
		с.	Blanks		₁ <u>√</u> — —
		d.	Laboratory Control Samples		<u> </u>
	ACTI	ON:	If any data are missing, take acti specified in 3.2 above.	on.	
	10.3		hromatographic performance acceptablect to:	ole with	

Baseline stability?

USEPA Regi SW846 Meth	ion II c nod 8260% VOA	Date: August 2008 SOP: HW-24, Rev. 2
	'	YES NO N/A
Resol	Lution?	
Peak	shape?	TX
Full-	-scale graph (attenuation)?	1 /
Other	::	
ACTION:	Use professional judgement to dete	ermine the acceptability of
	the lab-generated standard mass specile compounds present for each same	
ACTION:	If any mass spectra are missing, to 3.2 above. If the lab does not gen spectra, make a note in the Data A missing, contact the lab for missing.	nerate their own standard Assessment. If spectra are
	ne RRT of each reported compound was	
relat	all ions present in the standard matrice intensity greater than 10% (or present in the sample mass spectro	f the most abundant ion)
in th	ne relative intensities of the char ne sample agree within ± 30% of the cive intensities in the reference :	e corresponding/
ACTION:	Use professional judgement to determine acceptability of data. If it is defined incorrect identifications were made should be rejected ("R"), flagged Presumptive evidence of the present compound) or changed to non detection limit. In order	etermined that de, all such data ("N") - nce of the ted ("U") at the

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YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11	0	Tentatively	Identified	Compounds	(TIC)	(CLP	Form	I/TIC	Equivale	nt.)

11.1	If Tentatively Identified Compound were required for this	
	project, are all Tentatively Identified Compound reporting for	ms
	present; and do listed TICs include scan number or retention	
	time, estimated concentration and a qualifier?	_

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

- 11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:
 - a. Samples and/or fractions as appropriate []
 - b. Blanks

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

USEPA Region II Date: August 2008 SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A 11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? Flag with "R" any target compound listed as a TIC. ACTION: 1. 2. Make sure all rejected compounds are properly reported if they are target compounds. 11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? 11.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%? Use professional judgement to determine acceptability of ACTION: TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂(M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related

12.0 Compound Quantitation and Reported Detection Limits

byproducts).

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found?

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

USEPA Region II c SW846 Method 8260% VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

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YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction?

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39)qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050?

<u>щ</u> — . —

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration.

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be < 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

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YES NO N/A

1,1-Dichloroethene

Chloroform

1,2-Dichloropropane

Toluene

Ethylbenzene Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in

14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and

all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

NOTE: Analytes previously qualified "U" due to blank

contamination are still considered as "hits" when

qualifying for calibration criteria.

14.4 Was the % RSD determined using (RRF) or CF?

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in

section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

USEPA Region II Date: August 2008 SW846 Method 8260 VOA SOP: HW-24, Rev. 2 YES NO N/A 15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? List below all sample analyses that were not within twelve ACTION: hours of a calibration verification analysis for each instrument used. If any forms are missing or no calibration ACTION: verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R"). 15.3 Was the % D determined from the calibration verification determined using (RRF or CF? If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment. 15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). NOTE: (Method Requirement) For the following CCC compounds, the %D values must be ≤ 20.0%. If %D values reported are > 20.0% document in the Data Assessment. 1.1-Dichloroethene Chloroform 1,2-Dichloropropane Toluene

- 27 VOA -

Ethylbenzene Vinyl chloride USEPA Region II C SW846 Method 82608 VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the

outlier compound(s) as estimated, "J". When %D is above 90%,

qualify all positive results for that analyte "J" and all

non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? [] _____

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be > the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds is section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 <u>Internal Standards (CLP Form VIII Equivalent)</u>

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)?

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YES NO N/A

ACTION: If errors are large or information is missing, take action

as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS # Ar	ea Lower Limit	Area Upper Limit
			

(Attach additional sheets if necessary.)

- ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 - Do not qualify non-detects when the associated IS are counts area > + 100%.
 - 3. If the IS area is below the lower limit (< 50%), qualify all associated non-detects (U-values) "J".
 - 4. If extremely low area counts are reported (< 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".
- 16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

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YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for volatile analysis?

ACTION: Compare the reported results for field duplicates and

calculate the relative percent difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the Data Assessment. However, if large differences exist, take action

specified in section 3.2 above.

VALIDATION COMPLETENESS WORKSHEET LDC #: 31445A2a

Cat A/Cat B SDG #: 480-55087-1

Laboratory: Test America, Inc.

2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270¢)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	À	Sampling dates: 2 /20 /4
II.	GC/MS Instrument performance check	Ą	Not reviewed for Cat A review.
III.	Initial calibration	, A	Not reviewed for Cat A review. % RSD ≤ 2073
IV.	Continuing calibration/ICV	ĺvż	Not reviewed for Cat A review. CW £ 20 2
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	ŚW	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SHAV	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < RESULT < REL = Jdet
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	1	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 9 10
XVII.	Field blanks	SW	FB = 14

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected

R = Rinsate

D = Duplicate TB = Trip blank

FB = Field blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review

valida	ralidated Samples: ** Indicates sample underwent Cat B review.									
		<u>Soi </u>		Water U		, , ,,				
1	LT-XC-020-02	·	11	CC-C-044-0-2	(10x)	21	CC-C-046-0-2	31	CC-C-04	2-2-4MSD
2	LT-XC-020-4-6		12	CC-C-044-4-6		22	CC-C-046-4-6	32 3	CC-C-04	3-6-8MS
3	LT-XC-020-6-8		13	CC-C-044-8-10	(23	CC-C-046-8-10 (\$x)	33 3	CC-C-04	3-6-8MSD
4	CC-C-042-0-2	k t þ	14	FB027	W	24	CC-C-047-0-2 ** (SX)	34	CC-C-04	6-4-6MS
5	CC-C-042-2-4	*	15	CC-C-045-0-2		25 ¹	CC-C-047-2-4	35	CC-C-04	6-4-6MSD
6	CC-C-042-8-10	-	16	CC-C-045-4-6	(16x)	26	CC-C-047-8-10	36	MB	480-167265/1-1
7	CC-C-043-0-2	* (16x)	17	CC-C-045-8-10	. , .	27	LT-C-049-0-2	_ ~ 37		-167284/1
8	CC-C-043-2-4		18	LT-C-048-0-2		28	LT-C-049-2-4	38 3		-167424/
9 3	CC-C-043-6-8	*	19	LT-C-048-2-4		29 1	LT-C-049-8-10	39		-167347/1-
10	DUP026	(16x) b	20	LT-C-048-6-8		30	CC-C-042-2-4MS	40		

(bil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	0000.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC#: 31445A29

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page: of 1
Reviewer: JVG
2nd Reviewer: 2

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument? Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <u><</u> 20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/25/14	V 8201	X	21.3		Mb 480-167265/1-A	(ND) 5/UJ/A
		V 8202	LLLL	90.4			J/R/A
	2/26/14	V8260	X	22.		21, 24 (MD)	A W Z
	-	V 8261	LILL	102,4			5/R/A
	2/26/14	V 8281	ΪΙ	29,2		22 (ND)	J/WJA
		V 8282	4444	90.9			J/R/A
	2/27/14	V 8302	X	30.0 21.2		25, 26, HB 480-16	1424/-A (PD) J/WJ/A
		V 8305	LLVL	11.1			J/R/A
	2/28/14	18377	<u> </u>	87.7		9 (MD)	J/W /A
	2/25/14	X00 87928	X	20.7 22.4 20.2		4, 13, MB 480-1672	64/-A (NO) J/UJ/A
		X00 87 929	AAA LLVL	20.2 98.5			/ J/R/A

LDC #: 3/45 A24

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <u><</u> 20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/26/14	X0087958	HH	21.2		5.716 (ND)	JUJA
<u> </u>	/		11	21.4		' ' \ ' '	
			A-A-A	25.0		(16 -Det. 5	7-ND)
		V 0450	1111	100 (11.5	7
-		X0087959	1111	102,4		(40)	J/R/A
				•			UT.
	2/07/14	V 7680	LULL	117.6 (5	30%)	21 22 24-26 MB4	50-167265/1-A (ND) J/K/A
<u> </u>	,					MB 480-167424 1-A	50-167265/1-A (ND) J/K/A
							toca(000) / 10000
							*posteopional-ydgerent
		:					
<u> </u>							
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					Г		

LDC#: 31445A22

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:	<u> </u>
Reviewer:	JVG
nd Reviewer:	C

Y/N N/A Were target Blank units: いん/L Asso Sampling date: マノスの/パ	lanks identified compounds of clated samp	ed in this SDG detected in the ble units:	field blanks?			\$ to	<u> </u>	- 1 a	Znu keviel	wer
Field blank type: (circle one) Fleid Blank	7 Rinsate / Otr	ner:	Associate	ed Samples:_	<u>All</u>	2 (<u>ND)</u>		1
Compound	Blank ID				Sa	mple Identificat	tion	·		
	14	Action level								
ΥX	0,52	ZRL								
Blank units: Asso Sampling date:_ Field blank type: (circle one	ciated samp -) Field Blank		ner:	Associate	ed Samples:_					
Compound	Blank ID				Sa	mple Identificat	tion			
			:							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page	:of
Reviewer	JVG
2nd Reviewer	_ 07

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an

associated MS/MSD. Soil / Water.

Was a MS/MSD analyzed every 20 samples of each matrix?

N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)		MSD %R (Limits)		RPD (Limits)			d Samples	Qualifications
		30/31	72	135 (51-13	3)	()	()	5	(Det)	Jack /A
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LDC#: 31445 A 2a

VALIDATION FINDINGS WORKSHEET Internal Standards

Page:_	\ of
Reviewer:	JVG
2nd Reviewer:_	02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Date	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
	9 (ND+acts)	pry	249268 (295743	- 1182970)	JMJA
	13 (ND)	CRY	160699 (190 277 -	761106)	JMJp
	7 (ND + acts)	CRY	163159 (174199 -	- 696794)	
	16	CRY	144748		

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

VALIDATION FINDINGS WORKSHEET Field Duplicates

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: _________

Method: SVOA (EPA SW 846 Method 8270D)

Analyte	Concentrat	ion (μg/Kg)	RPD	Diff.	Diff Limits	Qualifiers
Allalyte	4	10	(≤100%)	Dill.	(2xRL)	(Parents Only)
W	16	290		274	(≤3800)	
GG	23	180		157	(≤3800)	
DD	42	1900U		1858	(≤3800)	
W	93	270		177	(≤3800)	
ccc	410	580		170	(≤3800)	
=	360	610		250	(≤3800)	
GGG	420	730		310	(≤3800)	
LLL	300	820		520	(≤3800)	
ННН	400	320		80	(≤3800)	
EEE	87	1900U.		1813	(≤3800)	
ww	23	1900U		1877	(≤3800)	
DDD	440	640		200	(≤3800)	
ккк	54	1900U		1846	(≤3800)	
JJ	17	110		93	(≤3800)	
YY	540	860		320	(≤3800)	
NN	28	140		112	(≤3800)	
JJJ	350	1900U		1550	(≤3800)	
S	190U	160		30	(≤380)	
UU	360	880		520	(≤3800)	
ZZ	840	1100		260	(≤3800)	

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 1 of 3
Reviewer: JVG
2nd Reviewer: ______

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs.

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
		Calibration			RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound (IS)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		
1	ICAL	2/5/2014	Phenol	(IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
	HP5973X		Nitrobenzene	(IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP	(IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene	(IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
			Bis(2-ethex)phthalate	(IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene	(IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: <u>31445**B**</u>2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 2 of 3
Reviewer: JVG
2nd Reviewer: C

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs.

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	2/14/2014	Phenoi	(IS1)	1.6883	1.6883	1.7723	1.7723	3.5	3.5
	HP5973V		Nitrobenzene	(IS2)	0.3429	0.3429	0.3533	0.3533	3.0	3.0
			2,4,5-TCP	(IS3)	0.4000	0.4000	0.4081	0.4081	5.4	5.4
			Hexachlorobenzene	(IS4)	0.2620	0.2620	0.2723	0.2723	4.5	4.5
			Bis(2-ethex)phthalate	(IS5)	0.5684	0.5684	0.5880	0.5880	2.3	2.3
			Benzo(a)pyrene	(IS6)	0.9996	0.9996	1.0281	1.0281	4.2	4.2

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 3 of 3
Reviewer: JVG
2nd Reviewer: ______

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
		Calibration			RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound (IS	5)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		<u> </u>
1	ICAL	2/28/2014	Phenol	(IS1)	1.8864	1.8864	1.7700	1.7701	4.2	4.2
	HP5973V		Nitrobenzene	(IS2)	0.3869	0.3869	0.3657	0.3657	4.9	4.9
			2,4,5-TCP	(IS3)	0.4426	0.4426	0.4120	0.4120	3.7	3.7
			Hexachlorobenzene	(IS4)	0.3029	0.3029	0.2884	0.2884	3.5	3.5
			Bis(2-ethex)phthalate	(IS5)	0.6154	0.6154	0.6040	0.6040	2.6	2.6
			Benzo(a)pyrene	(IS6)	1.1359	1.1359	1.0593	1.0593	4.2	4.7

LDC # 31445A2a

VALIDATION FINDINGS WORSHEET Continuing Calibration Results Verification

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

				-				
		Calibration		Average RRF	Reported	Recalculated	Reported	Recalculated
#	Standard ID	Date	Compound (IS)	(Initial RRF)	(CC RRF)	(CC RRF)	%D	%D
1	V8201	02/25/14	Phenoi (IS1)	1.7723	1.6559	1.6559	6.6	6.6
			Nitrobenzene (IS2)	0.3533	0.3461	0.3461	2.0	2.0
			2,4,5-TCP (IS3)	0.4081	0.4089	0.4089	0.2	0.2
			Hexachlorobenzene (IS4)	0.2723	0.2765	0.2765	1.5	1.5
			Bis(2-ethex)phthalate (IS5)	0.5880	0.5846	0.5846	0.6	0.6
			Benzo(a)pyrene (IS6)	1.0281	1.0332	1.0332	0.5	0.5
2	V8260	02/26/14	Phenol (IS1)	1.7723	1.9003	1.9003	7.2	7.2
			Nitrobenzene (IS2)	0.3533	0.3929	0.3929	11.2	11.2
			2,4,5-TCP (IS3)	0.4081	0.4495	0.4495	10.1	10.1
			Hexachlorobenzene (IS4)	0.2723	0.2991	0.2991	9.8	9.8
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6408	0.6408	9.0	9.0
			Benzo(a)pyrene (IS6)	1.0281	1.1328	1.1328	10.2	10.2
3	V8281	02/26/14	Phenol (IS1)	1.7723	1.8416	1.8416	3.9	3.9
			Nitrobenzene (IS2)	0.3533	0.3978	0.3978	12.6	12.6
			2,4,5-TCP (IS3)	0.4081	0.4567	0.4567	11.9	11.9
			Hexachlorobenzene (IS4)	0.2723	0.3018	0.3018	10.8	10.8
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6359	0.6359	8.1	8.1
			Benzo(a)pyrene (IS6)	1.0281	1.1326	1.1326	10.2	10.2
4	V8302	02/27/14	Phenol (IS1)	1.7723	1.8691	1.8691	5.5	5.5
			Nitrobenzene (IS2)	0.3533	0.3879	0.3879	9.8	9.8
			2,4,5-TCP (IS3)	0.4081	0.4581	0.4581	12.3	12.3
			Hexachlorobenzene (IS4)	0.2723	0.3024	0.3024	11.0	11.0
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6330	0.6330	7.7	7.7
			Benzo(a)pyrene (IS6)	1.0281	1.1242	1.1242	9.3	9.3

LDC # 31445A2a

VALIDATION FINDINGS WORSHEET Continuing Calibration Results Verification

Page ₋	2	_ of_	2
Reviewer:	:	JVG	<u> </u>
2nd Reviewer:		(27
-			て

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

		Calibration			Averes DDF	Denominal	Deceleulated	Danamad	Recalculated
<u>,,</u>	Otamalanal ID	Calibration	0		Average RRF	Reported	Recalculated	Reported	
#	Standard ID	Date	Compound (IS)		(Initial RRF)	(CC RRF)	(CC RRF)	%D	%D
5	X0087928	02/25/14	Phenol	(IS1)	1.8320	1.9709	1.9709	7.6	7.6
			Nitrobenzene	(IS2)	0.3576	0.3918	0.3918	9.6	9.6
			2,4,5-TCP	(IS3)	0.3765	0.4000	0.4000	6.2	6.2
			Hexachlorobenzene	(IS4)	0.2332	0.2572	0.2572	10.3	10.3
			Bis(2-ethex)phthalate	(IS5)	0.8967	1.0174	1.0174	13.5	13.5
			Benzo(a)pyrene	(IS6)	1.0592	1.1759	1.1759	11.0	11.0
6	X0087958	02/26/14	Phenol	(IS1)	1.8320	1.9006	1.9006	3.7	3.7
			Nitrobenzene	(IS2)	0.3576	0.4027	0.4027	12.6	12.6
			2,4,5-TCP	(IS3)	0.3765	0.4028	0.4028	7.0	7.0
			Hexachlorobenzene	(IS4)	0.2332	0.2627	0.2627	12.6	12.6
			Bis(2-ethex)phthalate	(IS5)	0.8967	1.0419	1.0419	16.2	16.2
			Benzo(a)pyrene	(IS6)	1.0592	1.1518	1.1518	8.8	8.8
7	V8376	02/28/14	Phenol	(IS1)	1.7700	1.8789	1.8789	6.2	6.2
			Nitrobenzene	(IS2)	0.3657	0.3839	0.3839	5.0	5.0
			2,4,5-TCP	(IS3)	0.4120	0.4511	0.4511	9.5	9.5
			Hexachlorobenzene	(IS4)	0.2884	0.3050	0.3050	5.7	5.7
			Bis(2-ethex)phthalate	(IS5)	0.6040	0.6322	0.6322	4.7	4.7
			Benzo(a)pyrene	(IS6)	1.0593	1.1137	1.1137	5.1	5.1

LDC#: 31445 Aza

VALIDATION FINDINGS WORKSHEET <u>Surrogate Results Verification</u>

Page:_	1_of_1_
Reviewer:	JVG
2nd reviewer:	N

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: 4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	37.7	75	75	9
2-Fluorobiphenyl		36.9	74	74	
Terphenyl-d14		41.1	82	82	
Phenol-d5		35,3	71	71	
2-Fluorophenol		32.5	US	65	
2,4,6-Tribromophenol		36.1	72	77	/
2-Chlorophenol-d4		,			
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					-

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET <u>Matrix Spike/Matrix Spike Duplicates Results Verification</u>

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: ~~

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added SC = Sample concentation

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: _____

Compound	Spike Added (Иე / Ңа)		Sample Concentration (પ્યુડ /સ્દ્ર)	Spiked Sample Concentration (以5 /上,)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD		MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc.
Phenol	3610	3560	υ	366	2820	29.81	81	79	79	3	२
N-Nitroso-di-n-propylamine			1	3390	3370	94	94	95	95	1	ĺ
4-Chloro-3-methylphenol				3730	3640	los	103	102	162	~	~
Acenaphthene			15	3370	33 Z 0	93	93	93	93	2	7
Pentachlorophenol	7210	7110	0	6270	6170	87	87	87	87	~	γ
Pyrene	3610	3560	550	5406	4910	135	135	123	123	10	19
					_						
					ļ				-		

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findin	gs worksheet for list of qualific	cations and associated samp	les when reported results d	o not agree within
10.0% of the recalculated results.		·		

LDC#: 31445 A2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration

SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: VCS 480- 167265/2-4

	Spi Add		Conce	Spike Concentration		ıcs		LCSD		I CS/I CSD	
Compound	(us)	100_)	(200	/tex	Percent	Recovery	Percent l	Recovery	RI	PD	
	LCS	LCSD	LCS	U LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated	
Phenol	3270	VA	3470	M2	75	75					
N-Nitroso-di-n-propylamine			2620		80	80					
4-Chloro-3-methylphenol			2980		91	91					
Acenaphthene			2770		85	85					
Pentachlorophenol	6530		5440		83	83					
Pyrene	3270		2810)	86	80					
	·										

Comments:	Refer to Laboratory	Control Sample/Laboratory	Control Sample	Duplicates finding	gs worksheet for	list of qualifications a	and associated	samples when
		in 10.0% of the recalculate			-			
	<u> </u>				.,		-	

LDC #: 31445A 2a

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	<u> 1</u> ot 1
Reviewer:	JVG
2nd reviewer:	0

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Factor of 2 to account for GPC cleanup

2.0

Were all reported results recalculated and verified for all level IV samples? Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Conc	entratio	on = $(A_s)(I_s)(V_s)(DF)(2.0)$ $(A_{ts})(RRF)(V_s)(V_t)(\%S)$	Example:
A_{x}	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D. 16 , Jenzo (a) gyrese
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard	1676.
l _s	=	Amount of internal standard added in nanograms (ng)	Conc. = (105669)(48)()m/)(1 (137186)(1.6592)(30.432)(0.903)
V_{\circ}	=	Volume or weight of sample extract in milliliters (ml) or grams (g).	10,903
V_{l}	=	Volume of extract injected in microliters (ul)	= 10585.96
V_{t}	=	Volume of the concentrated extract in microliters (ul)	,
Df	=	Dilution Factor.	~ 11000 ug/kg
%S	=	Percent solids, applicable to soil and solid matrices	7/18

#	Sample ID	Compound	Reported Concentration (⁽¹⁰) / Co	Calculated Concentration ()	Qualification
			11 00 0		
		· · · · · · · · · · · · · · · · · · ·			
		,			
				y.	
		., , ,			

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4								
			YES NO N/A					
E	-	The concentration of this analyte exceeds the of the instrument.	e calibration range					
A	 Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product. 							
Х,Ү,	X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.							
I.		PACKAGE COMPLETENESS AND DELIVERABLE	ES					
CASE NUMBER! SDG # = 3/464/ 480-55687-1 LAB: Test America Buffalo								
SITE NAME: Glen Island								
1.0	<u>Data</u>	Completeness and Deliverables						
	1.1	Has all data been submitted in CLP deliverable format?	le					
	ACTIO	ON: If not, note the effect on review of the in the data assessment narrative.	e data					
2.0	Cove	Letter, SDG Narrative						
	2.1	Is a laboratory narrative or cover letter present?	14					
	2.2	Are case number and SDG number(s) contained in the narrative or cover letter?						

	A Region 6 Method	II 8270D (Rev.4, January 1998)	Date: SOP H	-	-	
				YES	NO	N/A
II.		SEMIVOLATILE ANALYSES				
1.0	Traffic	Reports and Laboratory Narrative				
	1.1 Are samples?	e the Traffic Report Forms present for all		14		
	ACTION:	If no, contact lab for replacement of monor illegible copies.	issinç	I		
	any sar	the Traffic Reports or Lab Narrative indic problems with sample receipt, condition of mples, analytical problems or special notat fecting the quality of the data?	of		īŲ	
	ACTION:	If any sample analyzed as a soil, other TCLP, contains 50%-90% water, all data so the flagged as estimated ("J"). If a soil sample, other than TCLP, contains more solved water, all non-detects data are qual as unusable (R), and detects are flagged	should l than lified	ì		
	ACTION:	If samples were not iced, or if the ice melted upon arrival at the laboratory as cooler temperature was elevated (10°C), all positive results "J" and all non-defut."	nd the flag)		
2.0	<u>Holding</u>	<u>Times</u>				
	det	ve any semivolatile technical holding times termined from date of collection to date of craction, been exceeded?			14	/ —
	ser day san	ntinuous extraction of water samples for mivolatile analysis must be started within ys of the date of collection. Soil/sediment of must be extracted within 14 days of the lection. Extracts must be analyzed within	nt			

USEPA	Region	II			
SW846	Method	8270D	(Rev.4,	January	1998)

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

Sample ID	Sample Matrix	Date Sampled	(S Date Lab Received	See Traffic R Date Extracted	eport) Date Analyzed
10	Maciix	agubied	Necelved	Extracted	Anaryzed
					

ACTION:

If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

USEPA Region II Date: August, 2008 SW846 Method 82700 (Rev.4, January 1998) SOP HW-22 Rev.4							
		/		10-1-0	YES	NO	N/A
3.0		Surro	ogate Recovery (Form II/Equivalent)				
	3.1	liste	the semi volatile surrogate recoveries ed on CLP Surrogate Recovery forms (Formeach of the following matrices:				
		a.	Low Water		14		
		b.	Low/Med Soil		14		
	3.2	appro	o, are <u>all the samples listed</u> on the opriate Surrogate Recovery Summary forms each matrix:	5			
		a.	Low Water		1/		
		b.	Low/Med Soil		1		
ACTION:		ON:	If CLP deliverables are unavailable, do the effect(s) in data assessments. In cases the lab may have to be contacted obtain the data necessary to complete validation.	some to	nt		
	3.3	Were	outliers marked correctly with an aste	risk?			_
		ACTIO	ON: Circle all outliers in red.				
	3.4	recover from page	two or more base neutral <u>OR</u> acid surroweries out of specification for any samed blank (Reviewer should use lab in howery limits. Use surrogate recovery lim USEPA National Functional Guidlines Ja 130, if in house limits are not availa Method 8000B-43 or 80000C-24).	ple o use its nuary			
		Note:	Examine lab in house limits for r	eason	ablene	ss.	/
		If ye	es, were samples re-analyzed?				

46 Method 8	270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
Were	method blanks re-analyzed?	ц
ACTION:	If all surrogate recoveries are > 10% within the base-neutral or acid fracti not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):	on do
	 Flag all positive results as esti ("J"). 	mated
	 Flag all non-detects as estimated ("UJ") when recoveries are less t acceptance limit. 	
	 If recoveries are greater than th acceptance limit, do not qualify 	
	If any base-neutral \underline{or} acid surrogate recovery of < 10%:	has a
	 Positive results for the fraction surrogate recovery are qualified 	
	2. Non-detects for that fraction sho qualified as unusable (R) .	ould be
NOTE:	Professional judgement should be used qualify data that have method blank su recoveries out of specification in bot original and reanalyses. Check the in standard areas.	rrogate h
	there any transcription/calculation err een raw data and Form II?	rors

explanation/resubmittal, make any necessary corrections and document

USEPA Region II SW846 Method 8270D (Rev.4, January 1998)

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)?



NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals Acids
1.2.4-Trighterphonyone Pontachlo

1,2,4-Trichlorobenzene Pentachlorophenol

Acenaphthene Phenol

2,4-Dinitrotoluene 2-Chlorophenol

Pyrene 4-Chloro-3-methylphenol

N-Nitroso-di-n-propylamine 4-Nitrophenol

1,4-Dichlorobenzene

Note: Some projects may require the spiking of specific compounds

of interest.

Low Water

a.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a martix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

b. Low Solid

c. Med Solid

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Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION:

If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE:

If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

/	
г 🖈	
1/4	

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

<u>Water</u>	<u>Solids</u>				
out of	m/31	out of	76		

USEPA Region II Date: August 2000							
	_		270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4	8		
				YES NO N/	A		
	4.5		many RPD's for matrix spike and matrix sicate recoveries are outside QC limits?	spike			
		Wate					
			out of out	of <u>13</u>			
	ACTIO	: NC	Circle all outliers with red pencil.				
	ACTIO	ON:	No action is taken on MS/MSD data alone However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC crato determine the need for some qualification of the data.	e e citeria			
	4.6		a Laboratory Control Sample (LCS) analyz ytical batch?	ed with each			
	NOTE:	:	When the results of the matrix spike are indicate a potential problem due to the matrix itself, the LCS results are used verify that the laboratory can perform analysis in a clean matrix.	e sample d to			
5.0	Blank	ks (Fo	orm IV/Equivalent)				
	5.1	Is th	ne Method Blank Summary (Form IV) preser	nt? [1	_		
	5.2	Frequ	uency of Analysis:				
		repo	a reagent/method blank analysis been rted per 20 samples of similar matrix, centration level, and for each extraction?				
	5.3	Has a	a method blank been analyzed either afte	er			

- 13 -

	_	ion I hod 8	I 270D (Rev.4, January 1998)	Date: August SOP HW-22 Re	-
				YES NO	N/A
			calibration standard or at any other time ng the analytical shift for each GC/MS sy		
	ACTI	ON:	If any method blank data are missing, callab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.	t o	
	5.4	chro	matography: review the blank raw data - matograms (RICs), quant reports or data : touts and spectra.	system	
		stab	he chromatographic performance (baseline ility) for each instrument acceptable for semivolatiles?		_
	ACTIO	ON:	Use professional judgement to determine effect on the data.	the	
6.0	Cont	amina	tion		
	NOTE	:	"Water blanks", "drill blanks" and "diswater blanks" are validated like any oth sample and are <u>not</u> used to qualify the Do not confuse them with the other QC bediscussed below.	her data.	
	6.1	position concerthe	ny method/instrument/reagent blanks have tive results for target analytes and/or applied as described below, the contaminentration in these blanks are multiplied sample dilution factor and corrected for ent moisture where necessary.	TICs? nant by	<u> </u>
	6.2	for	ny field/rinse/ blanks have positive restarget analytes and/or TICs (if required section 10 below)?	/	<u> </u>

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Prepare a list of the samples associated

with each of the contaminated blanks.

(Attach a separate sheet.)

NOTE: All field blank results associated to a

particular group of samples (may exceed one

per case) must be used to qualify data. Blanks may not be qualified because of

contamination in another blank. Field Blanks

must be qualified for outlying surrogates, poor spectra, instrument performance or

calibration QC problems.

ACTION: Follow the directions in the table below to

qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all

data in the associated samples should be

qualified as unusable (R).

Date: August, 2008

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YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
Method, Field		≥ CRQL	No qualification required
		< CRQL	Report CRQL value with a U
	> CRQL *	<pre></pre>	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample?

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	_			: Aug HW-22	-	
				YES	NO	N/A
		that exceeded the initial calibration range.				
	6.5	Does the instrument blank have positive result for target analytes and/or TICs?	ts		Γl	
	Note	Use professional judgement to determine if carryover occurred and qualify analyteaccordingly.	es			
7.0	GC/MS	S Apparatus and Materials				
	7.1	Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Methos 8270D? Check raw data, instrument logs or conthe lab to determine what type of column was The method requires the use of 30 m x 0.25 mm (or 0.32 mm ID), silicone-coated, fused silicone-column capillary column.	d ntact used ID			
	ACTIO	ON: If the specified column, or equivalent, not used, document the effects in the da assessment. Use professional judgement determine the acceptability of the data.	ta to			
8.0	GC/MS	S Instrument Performance Check (Form V/Equival	<u>ent)</u>			
	8.1	Are the GC/MS Instrument Performance Check Fo (Form V) present for decafluorotriphenylphosp (DFTPP)?		14		
		The performance solution should also contain achlorophenol, and benzidine to verify injection port inertness and column performan The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (bas upon lab experience) and show no peak degrada or tailing before samples are analyzed. (see	ce. e ed tion		.5	

USEPA Reg SW846 Met	•		4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
					YES NO N/A
	page	8270D-12)	•		
8.2	mass	/charge (m	ed bar graph sp /z) listing for ach twelve hour	the DFTPP	LX
8.3	been		for every twelv	check solution e hours of samp	
ACTI	ON:	analyses	, time, instrum for which no as ta are availabl		nple
DATE	3	TIME	INSTRUMENT	SAMPLE NUME	BERS
		·			
					
ACTI	CON:	("R") all	- -	ssing data, reg loutside an acc interval.	•
ACTI			ignment is in e sample data as	-	
8.4	Have m/z		bundances been	normalized to	<u> </u>
8.5		the ion a		ria been met for	r
ACTI	ON:		data which do n (attach a separ	not meet ion abu	ındance

	_	ion I hod 82	I 270D (Rev.4, January 199 8)		e: Augu HW-22		
					YES	NO	N/A
	ACTIO	: NC	If ion abundance criteria are not met, action specified in section 3.2	take			
	8.6	betwe	there any transcription/calculation error een mass lists and Form Vs? (Check at leave values but if errors are found, check mo	ast		LΧ	-
	8.7		the appropriate number of significant res (two) been reported?		\checkmark		
	ACTIO	ON:	If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.				
	8.8		the spectra of the mass calibration compositable?	ound	1/		
	ACTIO	ON:	Use professional judgement to determine whether associated data should be acceptualified, or rejected.				
9.0	Targe	et Ana	<u>alytes</u>				
	9.1	prese	the Organic Analysis Data Sheets (Form I ent with required header information on a , for each of the following:				
		a.	Samples and/or fractions as appropriate				
		b.	Matrix spikes and matrix spike duplicate	es	TX		
		c.	Blanks			——	
	9.2	perf	any special cleanup, such as GPC, been ormed on all soil/sediment sample extraction 7.2, page 8270D-14)?	ts			

_	ion I hod 8	I 270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4	
			YES NO N/A	
ACTI	ON:	If data suggests that extract cleanup was performed, use professional judgement. note in the data assessment narrative.		
9.3	spect syste	the Reconstructed Ion Chromatograms, mass tra for the identified compounds, and the em printouts (Quant Reports) included in le package for each of the following?	e data	
٠	a.	Samples and/or fractions as appropriate		
	b.	Matrix spikes and matrix spike duplicate (Mass spectra not required)	es	
	c.	Blanks	14	
ACTI	ON:	If any data are missing, take action specified in 3.2 above.		
9.4	Are Repo	the response factors shown in the Quant rt?	п ∠ _	
9.5		nromatographic performance acceptable with	th	
	Base.	line stability?	17	
	Reso	lution?	<u> </u>	
	Peak	shape?	<u> </u>	
	Full	-scale graph (attenuation)?	<u> </u>	
	Othe	r:	<u> </u>	
ACTI	ON:	Use professional judgement to determine acceptability of the data.	e the	

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

USEPA Reg SW846 Met			ate: A	_		
			YE	S	NO	N/2
	each	sample?	17	1		. <u></u>
ACT10	ON:	If any mass spectra are missing, take act specified in 3.2 above. If the lab does not generate their own standard spectra, make note in the data assessment narrative. If spectra are missing, reject all positive data.	ot : a			
9.7	RRT	he RRT of each reported compound within 0. units of the standard RRT in the continuinbration?		1		
9.8	at a most	all ions present in the standard mass spec relative intensity greater than 10% (of t abundant ion) also present in the sample trum?	he	X	,	
9.9	ions corr	he relative intensities of the characteris in the sample agree within ± 30% of the esponding relative intensities in the rence spectrum?	tic Ļ	X		
ACTIO	ON:	Use professional judgement to determine acceptability of data. If it is determine that incorrect identifications were made, such data should be rejected (R), flagged (Presumptive evidence of the presence of compound) or changed to not detected (U) the calculated detection limit. In order be positively identified, the data must comply with the criteria listed in 9.7, and 9.9.	all I "N" the at to			
ACTIO	ON:	When sample carry-over is a possibility,				

professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

USEPA Region II SW846 Method 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
	YES NO N/A
10.0 Tentatively Identified Compounds (TIC)	
10.1 If Tentatively Identified Compounds were requestriant for this project, are all Form Is, Part B property and do listed TICs include scan number or retaine, estimated concentration and "JN" quality	esent; tention
NOTE: Review sampling reports to determine if lab was required to identify non target (refer to section 7.6.2, page 8270D-21).	
10.2 Are the mass spectra for the tentatively identified compounds and associated "best ma- spectra included in the sample package for ea of the following:	
a. Samples and/or fractions as appropriate	ш ∠
b. Blanks	$\Box $ \angle
ACTION: If any TIC data are missing, take action specified in 3.2 above.	n
ACTION: Add "JN" qualifier only to analytes identified by CAS #.	
10.3 Are any target compounds from one fraction last TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)?	isted
ACTION: i. Flag with "R" any target compound as a TIC.	listed
ii. Make sure all rejected compounds a properly reported in the other frac	
10.4 Are all ions present in the reference mass spectrum with a relative intensity greater the spectrum (of the most abundant ion) also present to the spectrum of the spectru	

	_	on II nod 827	DD (Rev.4, January 1998)		e: Aug P HW-22	-	
		-			YES	NO	N/A
		sample	mass spectrum?				_
	10.5		and "best match" standard relati- ities agree within ± 20%?	ve ion	11		_
	ACTI(a i i s s r f a t	se professional judgement to dete cceptability of TIC identification of determined that an incorrect dentification was made, change the dentification to "unknown" or to decific identification (example: abstituted benzene") as appropriate demove "JN". Also, when a compound of any blank, but is a suspectification of a common laboratory come result should be qualified as R."	e some less "C3 te and d is not cted ntaminan	5		
11.0	Comp	oound O	uantitation and Reported Detectio	n Limits			
	11.1	Form I Verify quanti	ere any transcription/calculation results? Check at least two posi that the correct internal standa ation ion, and RRF were used to result. Were any errors found?	tive valurd,	ies.	14	,
	NOTE:	b v r s q c	cructural isomers with similar manut insufficient GC resolution (i.e., alley between the two peaks > 25% eported as isomeric pairs. The resolution check the raw data to ensurate isomers were included in the mantitation (i.e., add the areas beluting peaks to calculate the toncentration).	e. perce) should eviewer e that a of the	nt be		
	11.2		e method detection limits adjuste s sample dilutions and, for soils re?				

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect in data

assessments.

ACTION: When a sample is analyzed at more than one

dilution, the lowest detection limits are used (unless a QC exceedance dictates the use

of the higher detection limit from the

diluted sample data). Replace concentrations

that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "

X" across the entire page of all Form I's that should not be used, including any in the

summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

14____

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050?

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Check the average RRFs of the four System
Performance Check Compounds (SPCCs):
N-nitroso-di-n-propylamine, hexachlorocyclopentadiene,
2,4-dinitrophenol, and 4-nitrophenol. These
compounds must have average RRFs greater than or
equal to 0.05 before running samples and should not
show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with average RRF <0.05

- "R" all non-detects;
- 2. "J" all positive results.
- 13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

14.

NOTE:

The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4 Chlore 2 mathalatana
_	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective

action taken, then "J" qualify all positive

hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is \geq 20.0%, qualify positive

results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to

blank contamination are still considered as "hits" when qualifying for calibration

criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but

if errors are found, check more.)

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and note

errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

□ ∠ _

USEPA R SW846 M	-		(Rev.4,	January 1	998)		te: Aug P HW-22		
							YES	NO	N/A
13	perc	-		-	include DDT o DDD and DDI				4
AC	TION:	If D	OT perc	ent breakd	own exceeds :	20%:			
		i.	with "DDD an qualif	J". If DD d DDE resu	tive results T was not de lts are posi titation lim	tected, b tive,			
		ii.	DDE as	presumpti	tive results vely present entration "J	at an	and		
14.0 <u>G</u>	C/MS Ca	librat	<u>tion Ve</u>	rification	(Form VII/E	quivalent	.)_		
14	pres				cation Forms ll compounds	•	(I)		
14	anal	yzed :			tion standar hours of sam		rsis		
AC	TION:	with	in twel ficatio	ve hours o	analyses the facalibrate for each in	ion	ot		
							-		
AC	TION:	veri	ficatio	n standard	ing or no ca has been an of every samp	alyzed			

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF < 0.05?

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05? _____ []

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect(s) in the $\,$

data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

<u>u</u> ___

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
7	<u>cry</u>	163159	174199	696794
9	pry	249268	295743	1182970
	CRY	1606 99	190277	76 11 0 6
16	cry	144748	174199	696794

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

											
	-	ion II		Rev.4,	January	1998)		Date: SOP H	_	-	
									YES	NO	N/A
				(<50%), detects area co perform	qualify (U-valu ounts are nance exh	is below the all associated in a sociated in	iated non- f extremel (<25%) or jor abrupt	y low if drop			
	15.2		in 30			of all inte associated					
	ACTIC	ON:	quali	fy data		ent should retention s.			,		
16.0	Labor	ratory	y Cont	rol Sam	nples (LO	CS)					
	16.1		ytes w	_		in order t iteria for	-		14		
	16.2	same		tes and		mple spiked me concentr		the	14		
	16.3	analy	ytes w	ithin t	he QC ac	rd deviatio cceptance r 13? I <b limits<="" td=""><td>anges as</td><td></td><td></td><td></td><td></td>	anges as				
	ACTIO	ON:	the d	lesignat hat com	ed range	any analyte e, the anal s suspect a e unspiked	ytical res	sults			
17.0	Field	d Dupl	licate	<u>:s</u>							
	17.1			ield du le anal	•	s submitted	for		[/]	/	

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Compare the reported results for field

duplicates and calculate the relative percent

difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates about the confirmed by contacting the

should be confirmed by contacting the

sampler.

LDC #: 31445A3a	VALIDATION COMPLETENESS WORKSHEET
SDG #: 480-55087-1	Cat A/Cat B
Laboratory: Test America, Inc.	-

Date: 3/20/14
Page: 1 of 1
Reviewer: 57/6
2nd Reviewer: 6

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081&)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

B

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/20/14
II.	GC Instrument Performance Check	4	Not reviewed for Cat A review.
111.	Initial calibration	À	Not reviewed for Cat A review. $\frac{2RSD \pm 20}{C}$ V
IV.	Continuing calibration/ICV	S¥	Not reviewed for Cat A review. Cの/1の 生 20 ス
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	us /b
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < RCSN1+s < RL = Jdets/
XIV.	Overall assessment of data	A	
XV.	Field duplicates	ZN)	D = 4, 10
XVI.	Field blanks	SW	FB = 14

Note:

A = Acceptable

N = Not provided/applicable

SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	<u> </u>	Soil	+	Water (1	<u> </u>						
1 #	LT-XC-020-02	(loox)	11 4	CC-C-044-0-2	(50x)		CC-C-046-0-2	(20x)	31 I	CC-C-042-8	-10MSD
2 1	LT-XC-020-4-6		12	CC-C-044-4-6	•	₂₂ 3	CC-C-046-4-6 **	(20X)	32 5	CC-C-043-6	-8MS
3 ¹	LT-XC-020-6-8		13	CC-C-044-8-10	**	2	CC-C-046-8-10	(6x)	33 5	CC-C-043-6	-8MSD
4	CC-C-042-0-2	(100x) D	14	FB027	W	24 3	CC-C-047-0-2 **	(20x)	₃₄ 3	CC-C-046-0	-2MS
4 5	CC-C-042-2-4 *¥	(50x)	15 4	CC-C-045-0-2	(50x)	7 25	CC-C-047-2-4 * *	(loax)		CC-C-046-0	
6	CC-C-042-8-10		16	CC-C-045-4-6	+ + (50K)	₂₆ 3	CC-C-047-8-10 **	(20X)	<i>1</i> 36 1	MB.	f80-167257/i-
7	CC-C-043-0-2	* (100x)	17 4	CC-C-045-8-10	(50X)	27 3	LT-C-049-0-2	(20K)	37 V	l .	-167258/
8 4	CC-C-043-2-4	(10X)	18	LT-C-048-0-2	•	2	LT-C-049-2-4		+ 38 ³		-167475/
9 5	CC-C-043-6-8	(50X)	19	LT-C-048-2-4	(lox)	29	LT-C-049-8-10		- 39 4		-167476/
10 4	DUP026	(100x)	— 2 20	LT-C-048-6-8	**	30 \	CC-C-042-8-10MS		40 5		-167623/
	<u> </u>								- 6	t	- 167345/

Notes: | Dilutions due to matrix

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychior	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:	

LDC#: 31445 A34

VALIDATION FINDINGS WORKSHEET **Continuing Calibration**

Reviewer: 2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

ØN N/A Were Evaluation mix standards run before initial calibration and before samples?

N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<15.0% for individual breakdowns)? YN N/A

Was at least one standard run daily to verify the working curve?

Y (N) N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <20.0%?

Level IV/D Only

Y)n n/a Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Column	Compound (Limit ≤ 20.0) RT (Limits) Associated Samples				Qua	lifications	
	2/25/14	5-5198	RYX-CIPI	E	33, _K	() 20	11B 480-167258/1-A	GD 7	J/45/
				F	35.2	()	1	' '	
				<u> </u>	30.4)			
				<u> </u>	22.6	. ()			
				I	20.6	()		<u> </u>	· · · · · · · · · · · · · · · · · · ·
_						(
						()			
	1/07/14		RTX-CLP2	и	32.7	() 45	7 13 16 MB 980	167476/I-A	(M) I/W
_	'	(IQ)	·		/	() ME	7 13 16 MB 480 480 167257 /1=1		L
						()	•		
						(
						(_)			
_						(
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						()			
4										
_						(
						()			
_			· · · · · · · · · · · · · · · · · · ·			(······
\dashv)			

A. alpha-BHC
B. beta-BHC
C. delta-BHC
D. gamma-BHC

F. Aldrin

H. Endosulfan I

G. Heptachlor epoxide

J. 4,4'-DDE N. Endosulfan sulfate K. Endrin O. 4.4'-DDT

P. Methoxychlor

L. Endosulfan II

R. Endrin aldehyde S. alpha-Chlordane

T. gamma-Chlordane

V. Aroclor-1016 W. Aroclor-1221 X. Aroclor-1232

Z. Aroclor-1248 AA. Aroclor-1254 BB. Aroclor-1260

DD. DB 1701 EE._Hexachlobenzene

LDC #:	314	45	A	己	6
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VALIDATION FINDINGS WORKSHEET Blanks

Page:_\	_of_ <u> </u>
Reviewer:	
2nd Reviewer:_	Ö

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y N N/A Was a met	amples associated thod blank perforn lean-up was perfo contamination in	d with a method ned for each m	d blank? atrix and who	enever a sam	ple extraction	n was perform			
Compound	Blank ID				San	nple Identificati	on		
	MB 480-16747	5/1-A level	72 (20	x)			·		
С	0,524	2RL	9.5/36H	.or					
				<u>-</u> .					
			·				<u> </u>		
Blank extraction date: 2/26/	14 Blank analysis	date: 2/2	6/14	Ass	ociated sample	s:]		
Compound	Blank ID				San	nple Identificati	on		
	MB 480-167623	1-A Action	-9 (5	w)					
С	0.371	4RL	20 /93	4-01					
			/						
								<u> </u>	
	<u> </u>								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT: All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 31445 A32

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	of
Reviewer:_	516
2nd Reviewer:	07

METHOD: GC Pesticides/PCBs (EPA SW846 Method 8081/8082)

Y N N/A Were field blanks identified in this SDG?

Were target compounds detected in the field blanks? Y/N N/A

Blank units: '49 /L Associated sample units: 49 /tg
Sampling date: 2/20//4

Field blank type: (circle on	Field Blank	Rinsate / Othe	er:	Associat	ed Samples:	Al	15	<u>M) </u>	
Compound	Blank ID				S	ample Identifica	tion		
	14	Action level							
A	0.0085	ZRL							
			-						
CRQL									

Blank units: _____ Associated sample units:_

Sampling date:_

Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples:

Compound	Blank ID	Sample Identification							
CRQL									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Samples with compound concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC#: 31445 A3A

VALIDATION FINDINGS WORKSHEET <u>Surrogate Spikes</u>

Page:_	1	_of_	1
Reviewer:		W	4
2nd Reviewer:		O _i	2

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Were surrogates spiked into all samples, standards and blanks?

N/N/A

Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	١	etx-cup	A	Ö (30-124)	No guel (Ail)
	4	` '	В	0 (32-136)	
	را ما			()	
	7			(')	
	8			()	
	9			()	
	10			()	
	1)			()	
	15			()	
	16			()	
	17			()	
	1/9			()	
	ح) ٔ			()	
	22			()	
	23			()	
	24			()	
	25			()	
	26			()	
	2/			()	
	(DL = 10-100X)			()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
А	Tetrachloro-m-xylene			
В	Decachlorobiphenyl			

LDC #: 31445 A39

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page: <u>\</u>	_of¹
Reviewer:_	SI
2nd Reviewer:_	Ò

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Y)N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed? Y (N) N/A

Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

		Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	34/35	0	175 (43-131)	179 (43-131)	()	21	No grad (dil)
	(20x)	T	()	()	20 (15)		
		Р	247 (44-157)	()	44 (24)		
			()	()	()		
			()	()	()		
	32/33	21	of 40 cpx	ontside limi	ts for (2 R) for (2 RPD	9	
	(50x)		af 20)	ond ()	for (7. RPD		
			()	()	, ()		
			()	()	()		
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LDC#:31445A2a

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page:	1	_of	1_
Reviewer:		JVG	}
2nd Reviewer:		0	<u></u>

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentration (µg/Kg)		RPD	Diff.	Diff Limits	Qualifiers
Allalyte	4	10	(≲100%)	%) 5111.	(2xRL)	(Parents Only)
М	51	49		2	(≤380)	
0	80	80		0	(≤380)	
			,			

LDC #: 31 445 A39

VALIDATION FINDINGS WORKSHEET Compound Quantitation and Reported CRQLs

Page: _	<u>_1</u> _of
Reviewer:	306
2nd Reviewer:	W

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". Level IV/D Only

 \mathbf{Y} N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.? V N/N/A

Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

Did the percent difference of detected compounds between two columns./detectors <40%?

Y (N) N/A If no, please see findings bellow. %RPD/%D Between Two Columns/Detectors # **Compound Name** Sample ID Qualifications Limit (≤ 40%) 25 3 4 М 33.23 Jack/A 5 27,73 47.96 J 16 33,55 32-19 2 60,47 22 J dets/A J 32.76 41.93 54,58 32.97 26 D 69. 34

Comments:	See sample calculation verification worksheet for recalculations	*	Interf	erence	detected
				· · · · · · · · · · · · · · · · · · ·	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 1_of_6_ Reviewer: JVG_ 2nd Reviewer: _____

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	117593	0.0050
			2	248229	0.0100
	RTX-CLP2		3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
			·	·	
2/6/2014	HP6890-25	4,4'-DDT	1	72250	0.0050
	1		2	155669	0.0100
	RTX-CLP2		3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

		g-BHC		DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000832	-30608.233	0.002459	-37996.410
Std Err of Y Est					-
R Squared	r^2 =	0.999881	1.000000	0.999828	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600
Std Err of Coef.					
Correlation Coefficient		0.999941		0.999914	
COD r2		0.999881		0.999828	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 2 of 6
Reviewer: JVG
2nd Reviewer: ~

Calibration		<u> </u>		(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	245470	0.0050
	}		2	522454	0.0100
	RTX-CLP1		3	2965070	0.0500
	1		4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25	4,4'-DDT	1 1	148289	0.0050
			2	326138	0.0100
	RTX-CLP1		3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500
	1				

		g-BHC			DΤ
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000220	-49614.415	0.001978	-68453.561
Std Err of Y Est					
R Squared	r^2 =	0.999507	1.000000	0.999956	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100
Std Err of Coef.					
Correlation Coefficient		0.999754		0.999978	
COD r2		0.999507		0.999956	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 3 of 6
Reviewer: JVG
2nd Reviewer:

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	402955	0.0050
			2	834751	0.0100
	RTX-CLP1		3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1 1	289212	0.0050
		ι,. σσ.	2	577382	0.0100
	RTX-CLP1		3	3299716	0.0500
			4	6627939	0.1000
		5	9728110	0.1500	

		g-BH	С	DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000599	-97277.158	0.000386	-50692.861
Std Err of Y Est					
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600
Std Err of Coef.					
Correlation Coefficient		0.999763		0.999839	
COD r2		0.999527		0.999678	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
			Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	397852	0.0050
			2	812531	0.0100
	RTX-CLP2		3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1	229092	0.0050
			2	493120	0.0100
	RTX-CLP2		3	2995114	0.0500
			4	6213805	0.1000
			5	9379617	0.1500

		g-BH	С	DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050
Std Err of Y Est					
R Squared	r^2 =	0.999152	1.000000	0.999938	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200
Std Err of Coef.					
Correlation Coefficient		0.999576		0.999969	
COD r2		0.999152		0.999938	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 5 of 6
Reviewer: JVG
2nd Reviewer: 0

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	384391	0.0050
			2	769175	0.0100
	RTX-CLP1		3	4238163	0.0500
			4	8648475	0.1000
			. 5	13126505	0.1500
1/31/2014	HP6890-5	4,4'-DDT	1	489709	0.0050
			2	918323	0.0100
	RTX-CLP1		3	4936564	0.0500
			4	9844810	0.1000
		5	14716256	0.1500	

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

LDC#:<u>31445A3a</u>

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:_	<u>6</u> of	6
Reviewer:_	JVC	}
2nd Reviewer:		Z

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	437610	0.0050
			2	877732	0.0100
	RTX-CLP2		3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
	RTX-CLP2		3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

	g-BH	С	DD	T
	Calculated	Reported WLR	Calculated	Reported WLR
b =	0.000653	-66105.213	0.001754	-75318.281
		,		
r^2 =	0.999967	1.000000	0.999837	1.000000
				·
m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
	0.999984		0.999918	
	0.999967		0.999837	
	r^2 =	Calculated b = 0.000653 r^2 = 0.999967 m1 = 97722317.4084 0.999984	b = 0.000653 -66105.213 r^2 = 0.999967 1.000000 m1 = 97722317.4084 97762051.000 0.999984	Calculated Reported WLR Calculated b = 0.000653 -66105.213 0.001754 r^2 = 0.999967 1.000000 0.999837 m1 = 97722317.4084 97762051.000 65376628.2068 0.999984 0.999918

LDC#: <u>31445A3a</u>

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration Calculation Verification</u>

	Page:_	<u>1</u>	_of_	2	
	Reviewer:		JV	3	
2nd	Reviewer:				

METHOD: GC_	 HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Where:

Percent difference (%D) = 100 * (N - C)/N

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

						Reported	Recalculated	Reported	Recalculated
		Calibration			CCV Conc	Conc	Conc	% D	%D
#	Standard ID	Date	Compo	und					
1	25_69040	2/25/2014	g-BHC	CLP1	0.0500	0.0539	0.0539	7.8	7.9
			4,4'-DDT	CLP1	0.0500	0.0505	0.0505	1.0	0.9
			g-BHC	CLP2	0.0500	0.0494	0.0494	1.2	1.2
			4,4'-DDT	CLP2	0.0500	0.0439	0.0439	12.2	12.2
2	25_69053	2/25/2014	g-BHC	CLP1	0.0500	0.0535	0.0535	7.0	7.0
ĮĮ į			4,4'-DDT	CLP1	0.0500	0.0496	0.0496	0.8	0.8
			g-BHC	CLP2	0.0500	0.0492	0.0492	1.7	1.7
			4,4'-DDT	CLP2	0.0500	0.0464	0.0464	7.3	7.3
3	5_5198	2/25/2014	g-BHC	CLP1	0.0500	0.0580	0.0580	16.0	15.9
	1	ļ	4,4'-DDT	CLP1	0.0500	0.0457	0.0457	8.6	8.6
			g-BHC	CLP2	0.0500	0.0508	0.0508	1.6	1.6
			4,4'-DDT	CLP2	0.0500	0.0464	0.0464	7.2	7.2

LDC#: <u>31445A3a</u>

VALIDATION FINDINGS WORKSHEET Continuing Calibration Calculation Verification

Page:_	<u>2_of_2_</u>
Reviewer:	JVG
2nd Reviewer:	\sim

METHOD:	GC	HPLC	

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Where:

Percent difference (%D) = 100 * (N - C)/N

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compo	und	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
4	6_12121	2/25/2014	g-BHC	CLP1	0.0500	0.0528	0.0528	5.7	5.7
			4,4'-DDT	CLP1	0.0500	0.0517	0.0517	3.4	3.4
•			g-BHC	CLP2	0.0500	0.0469	0.0469	6.3	6.3
			4,4'-DDT	CLP2	0.0500	0.0440	0.0440	5.8 12.1	12.1
5	6_12144	2/26/2014	g-BHC	CLP1	0.0500	0.0544	0.0544	8.8	8.8
			4,4'-DDT	CLP1	0.0500	0.0494	0.0494	1.2	1.2
			g-BHC	CLP2	0.0500	0.0490	0.0490	2.1	2.1
			4,4'-DDT	CLP2	0.0500	0.0430	0.0430	14.0	14.0

LDC#: 31445 A32

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page: 1_of_1
Reviewer: __JVG
2nd reviewer: ____

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries ((%R) of surrogates were	recalculated for the compounds identifi	ied below using the following calculation
--------------------------	-------------------------	---	---

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: # 13

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	KTX-C42	0.020	0.061	80	80	9
Decachlorobiphenyl] ,		0.0199	99	99	1
Decachlorobiphenyl					/	

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl		-				
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
•				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachioro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

LDC #:

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

Page:_	<u>1_</u> of_	1
Reviewer:_	JVG	}
2nd Reviewer:_		
_		

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

RPD = IMS - MSDI*2/(MS + MSD)

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 32/35

	SI	pike Ided	Sample	Spiked	Spiked Sample Concentration ()		Spiked Sample Matrix Spike		Matrix Spike Duplicate		MS/MSD	
Compound)/E<)	Concentration	(W			Percent Recovery		Percent Recovery		RPD	
10.00	MS	MSD	_ 0	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.	
gamma-BHC	18.9	18.9	D	25.9	23.7	[37	137	26	125	9	1	
4,4'-DDT			1	45,9	44,6	243	243	237	236	3	3	
Aroclor 1260							,					
									، سبب			

Comments: Refer of Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported re	sults do not agree	<u>e within</u>
10.0% of the recalculated results.		

LDC #: 31445 A39

VALIDATION FINDINGS WORKSHEET <u>Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification</u>

Page: 1 of 1

Reviewer: JVG

2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration

SC = Concentration

SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: KS 480 - 167257 /2-A

		pike Ided	Spike	d Sample entration		LCS		LCSD		/LCSD	
Compound		/kg)	Conc (V	g (Eq)	Percent	Recovery	Percent	Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.	
gamma-BHC	16,6	VA	14.0	ha	85	85					
4,4'-DDT			13.6		8 🗸	82					
Aroclor 1260		•		-							

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported
results do not agree within 10.0% of the recalculated results.

LDC#: 31445 436

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:_	1_of_1_		
Reviewer:			
2nd reviewer:	W		

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

/	$\widehat{\mathbf{Y}}$	N	N/A
(V	Ň	N/A
_	#		

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example: (CLP2 + P6896-25) $x = \frac{9-b}{m}$ x = 0.002145Find conc. = $\frac{(6.002145)(10 \text{ m})(100)(100)}{(30.85)(0.873)}$ x = 79.64

#	Sample ID	Compound	Reported Concentration (い/とç)	Calculated Concentration ()	Qualification
			80		

Note:	 	 T	 	
	 	 		_

Date: October 2006 SOP HW-44, Rev.1.0

PACKAGE COMPLETENESS AND DELIVERABLES

		ER: 31445/13/1 SDG# 480-55087-1 st America Buffalo SITE: Glen Isle		
1.0	<u>Data</u>	Completeness and Deliverables	YES I	NO N/A
	1.1	Has all the data been submitted in CLP deliverable format?	1	
	1.2	Have any missing deliverables been received and added to the data package?	14.	
	ACTIO	ON: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.		
2.0	Cove	r Letter, SDG Narrative		
	2.1	Is a laboratory narrative or cover letter present?	14.	
	2.2	Are the case number and/or SDG number contained in the narrative or cover letter?	叹.	
3.0	<u>Data</u>	Validation Checklist		
	3.1	Does this data package contain:		
		Water data?		
		Waste data?	П.	
		Soil/solid data?	IJŹ.	

Date: October 2006 SOP HW-44, Rev.1.0

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples?

1/___

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

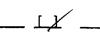


ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?



Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

USEPA Region II

SW846 Method 8081B Pesticides

Date: October 2006 SOP HW-44, Rev.1.0

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

			Action	
Matrix	Preserved	Criteria	Detected compounds	Non-detected compounds
	No	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	J*	Ū J*
	No	> 7 days(extraction) > 40 days(analysis)	J*	. UJ
Aqueous	Yes	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	No qualification	
	Yes .	> 7 days(extraction) > 40 days(analysis)	J	IJ
	Yes/No	> 28 days (gross exceedance)	J	R
	No	<pre>≤ 14days(extraction) ≤ 40 days (analysis)</pre>	J*	UJ*
	No	> 14days(extraction) >40 days(analysis)	J	IJ
Non-aqueous	Yes	<pre>≤ 14days(extraction) ≤ 40 days(analysis)</pre>	No qual	ification
	Yes	> 14days(extraction) > 40 days(analysis)	J	·UJ
	Yes/No	> 28 days (gross exceedance)	J	R

^{*} only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

3.0	Surrogate	Recovery	(Form	II/	Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a.	Water/Waste	17	

b. Soil/Solid

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a.	Water	1 <u>X</u>
h	Waste	[]

c. Soil/Solid

ACTION: Call lab for explanation/resubmittals.

If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

ACTION: Follow surrogate action, Table 2 below.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

Table 2. Surrogate Recovery Criteria

	Action		
Criteria	Detected Target Compounds	Non-detected Target Compounds	
%R > 200%	J	Use professional judgement	
150% < %R < 200%	J	No qualification	
30% ≤ %R ≤ 150%	No qualification		
10% < %R < 30%	J	IJ	
%R < 10% (sample dilution not a factor)	. J	R	
%R < 10% (sample dilution is a factor)	Use professional judgement		
RT out of RT window	Use professional judgement		
RT within RT window	No qualification		

3.6 Are there any transcription/calculation errors between raw data and Form II?

П —/_

ACTION:

If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.



ACTION:

If any <u>Laboratory Control</u> <u>Sample</u> data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below.

<u>_____</u>

Note:

Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note:

The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION:

If <u>Laboratory Control Samples</u> were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION:

For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R > Upper Acceptance Limit	J	No qualification	
%R < Upper Acceptance Limit	J	R	
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No quali	fications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

T.Y.____

NOTE:

For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?



ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

a. Water

b. Waste

니 ㅡ ㅡ

c. Soil/Solid

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

/	•	
1/1		
1*1		

Note:

Spiking analytes may differ from those in Table 5.

Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) <u>For all other aqueous samples</u> the larger of either 1 to 5 x times the expected background

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. In Ilmits.

Note:

√Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

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YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION:

Follow the matrix spike actions (Table 7)

for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R or RPD > Upper Acceptance Limit	J	No qualification	
20% R < %R < Lower Acceptance Limit	J	UJ	
%R < 20%	J	Use professional judgement	
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	t No qualifications		

Note:

When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

- 6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?
- 6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

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YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

TY ____

ACTION: Use professional judgement to determine the effect on the data.

7.0 <u>Contamination</u>

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are <u>not</u> used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

<u>____</u>

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

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YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		> CRQL	No qualification
		< CRQL	Report CRQL value with a U
Method, Clean up, Instrument, Field	> CRQL	CRQL and < blank contamination	Report the concentration for the sample with a
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

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YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?



ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

- 8.0 <u>Gas Chromatography with Electron Capture Detector (GC/ECD)Instrument Performance Check (CLP Form VI and Form VII Equivalent)</u>
 - 8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

/	
$\mathbf{L}\mathbf{X}$	

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column	1:	
column	2:	

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

- 9.0 <u>Calibration and GC Performance</u>
 - 9.1 Are the following Gas Chromatograms and Data Systems Printouts for <u>both</u> columns present for all samples, blanks, MS, replicates?
 - a. DDT/endrin breakdown check

[]	
_L_V	

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A TX ____ b. toxaphene technical chlordane d. 5 pt. initial calibration standards calibration verification standards e. f. LCS Method blanks g. ACTION: If no, take action specified in 3.2 above. 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ACTION: If no, take action as specified in 3.2 above. 9.3 Has the individual % breakdown exceeded 20.0% on either column for: - 4,4' - DDT?

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as

- endrin?

described below.

- a. If 4,4'-DDT breakdown is greater than 20.%:
 - i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

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YES NO N/A

- b. If endrin breakdown is greater than 20.0%:
 - i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").
 - ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").
- 9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence?

TX ____

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms.

__ __

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms?



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YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

Retention time windows for all pesticides are NOTE: established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the midconcentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above?

RT windows for the confirmation column should be NOTE: established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

Note potential problems, if any, in the data ACTION: assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence?

i. If no, all samples in the entire analytical ACTION: sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

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YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration (all rr) standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes).

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD < 25% for alpha-BHC and delta-BHC

%RSD ≤ 30% for Toxaphene peaks

%RSD ≤ 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

USEPA Region II SW846 Method 8081B Pesticides	Date: October 2006 SOP HW-44, Rev.1.0
	YES NO N/A
working day, prior to sample analyses () 8081B-15, sections 7.5.2)?	pages
9.11 Has a calibration verification standard analyzed after every 10 samples and at each analytical sequence (page 8081B-157.5.2)?	the end of
ACTION: If no, take action as specified in above.	section 3.2
9.12 Has no more than 12 hours elapsed from to of the opening CCV and the end of the ar (closing CCV). Has no more than 72 hour the injection of the sample with a Toxag detection and the Toxaghene CCV?	nalytical sequence rs elapsed from
ACTION: See Table 10 below.	
9.13 Has the percent difference (%D) exceeded any organochlorine pesticide analyte in calibration verification standard?	
9.14 Has a new 5 pt. calibration curve been of for those analytes which failed in the overification standard (page 8081B-16, second-control standard (page 8081B-16, second-control standard (page 8081B-16, second-control standard (page 8081B-16, second-control standard (page 8081B-16)	calibration ection d the out-
ACTION: If the %D for any analyte exceeded criterion and the instrument was no for those analytes, see table below	t recalibrated
9.15 Have <u>daily</u> retention time windows been procedulated for each analyte of interest 8081B-16, section 7.5.3)), using RTs from associated mid concentration standard and standard deviation from the initial calibration)?	(page

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YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

9.17 Do all standard retention times for each midconcentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows (page 8081B-16, section 7.5.3)?

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is $\pm~0.06~RRT$ units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

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YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use profession	onal judgement
%D not within +/- 20%	J	·UJ
Time elapsed greater than section 9.12 criteria.		R
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms?

14_

ACTION: If large errors exists, call lab for

explanation/resubmittal, make any necessary corrections and document the effect in data

assessments under "Conclusions".

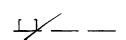
10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?



ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?



ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

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YES NO N/A

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.	
11.0 Extraction Method Cleanup Efficiency Verification (Form IX/Equivalent)
11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?	
1. Aqueous samples:	
1. Separatory funnel (Method 3510)	
2. Continuous liquid-liquid extraction (Method 3520)	
3. Solid phase extraction (Method 3535)	
4. Other	
2. Solid samples:	
1. Soxhlet (Method 3540)	
2. Automated Soxhlet (Method 3541)	
3. Pressurized fluid (Method 3545)	
4. Microwave extraction (Method 3546)	
5. Ultrasonic extraction (Method 3550)	
6. Supercritical fluid (Method 3562)	
7. Other	
11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.)	

USEPA Reg SW846 Met	gion II Lhod 8081B Pesticides	Date: October 2006 SOP HW-44, Rev.1.0
		YES NO N/A
ACTION:	If no, take action specified in 3.2 data suggests that florisil cleanuperformed, make note in the reviews	o was not
NOTE:	Method 3620A uses Florisil, while tallows for Florisil cartridges. Menot list which pesticides and surroute verify column efficiency. The recheck project plan to verify method as the correct pesticide list. If reavailable, use the CLP listing or a laboratory used.	ethod 3620A does ogate(s) to use reviewer must d used as well not stated or
	all samples listed on modified CLP In sillocartridge Check Form?	Pesticide
ACTION:	If no, take action specified in 3.2	2 above.
	PC Cleanup was performed, is Form IX.valent present?	K - Pest-2/
ACTION:	If GPC was not performed and sample indicate significant sulfur interference in the data assessment.	
NOTE:	GPC cleanup is not required and is reviewer should check Project Plan requirement.	
	e the same compounds on Form IX used efficiency of the cleanup procedures	
11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:		
80-1	20% for florisil cartridge check?	
80-1	10% for GPC calibration?	п — ✓

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YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?



Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

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YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

_ 14 ___

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

12.6 Is the percent difference (%D) calculated for the
 positive sample results on the two GC columns
 <25.0%?</pre>

<u>________</u>

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

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YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

KPD	
% Difference	<u> Oualifier</u>
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected) "NJ"	
>50% (Pesticide vale is <crql)< th=""><td>"U"</td></crql)<>	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I.

If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

4_

NOTE:

Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted
to reflect sample dilutions and, for soils,
% moisture?

ī7 — —

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

_ 4_

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

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ACTION:

Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field

duplicates.

Site:

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-55087-1

Reviewer:

Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 20, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-XC-020-02	480-55087-1	Metals
LT-XC-020-4-6	480-55087-2	Metals
LT-XC-020-6-8	480-55087-3	Metals
CC-C-042-0-2**	480-55087-4	Metals
CC-C-042-2-4**	480-55087-5	Metals
CC-C-042-8-10	480-55087-7	Metals
CC-C-043-0-2**	480-55087-8	Metals
CC-C-043-2-4	480-55087-9	Metals
CC-C-043-6-8	480-55087-10	Metals
DUP026	480-55087-12	Metals
CC-C-044-0-2	480-55087-13	Metals
CC-C-044-4-6	480-55087-14	Metals
CC-C-044-8-10**	480-55087-16	Metals
FB027	480-55087-17	Metals
CC-C-045-0-2	480-55087-18	Metals
CC-C-045-4-6**	480-55087-19	Metals
CC-C-045-8-10	480-55087-21	Metals
LT-C-048-0-2	480-55087-22	Metals
LT-C-048-2-4	480-55087-23	Metals
LT-C-048-6-8	480-55087-24	Metals
CC-C-046-0-2**	480-55087-25	Metals
CC-C-046-4-6**	480-55087-26	Metals
CC-C-046-8-10	480-55087-28	Metals
CC-C-047-0-2**	480-55087-29	Metals
CC-C-047-2-4**	480-55087-30	Metals
CC-C-047-8-10**	480-55087-31	Metals
LT-C-049-0-2	480-55087-32	Metals
LT-C-049-2-4	480-55087-33	Metals
LT-C-049-8-10	480-55087-34	Metals
CC-C-043-6-8MS	480-55087-10MS	Metals
CC-C-043-6-8MSD	480-55087 - 10MSD	Metals
CC-C-046-4-6MS	480-55087-26MS	ICP Metals
CC-C-046-4-6MSD	480-55087-26MSD	ICP Metals

Glen Isle, NYSDEC, Project Number: RWI1401

Associated QC Samples(s): Field/Trip Blanks: FB027

Field Duplicate pair: CC-C-042-0-2** and DUP026

The above-listed soil and water samples were collected on February 20, 2014 through February 21, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13 (September 2006) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011 (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Glen Isle, NYSDEC, Project Number: RWI1401

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method and instrument blank samples. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	4.28 mg/Kg		LT-XC-020-02
	Iron	2.23 mg/Kg		LT-XC-020-4-6
	Manganese	0.0413 mg/Kg		LT-XC-020-6-8
	Zinc	0.245 mg/Kg		CC-C-042-0-2**
				CC-C-042-2-4**
		Ì		CC-C-042-8-10
				CC-C-043-0-2**
				CC-C-043-2-4
Ì				CC-C-043-6-8
				DUP026
1				CC-C-044-0-2
				CC-C-044-4-6
				CC-C-044-8-10**
				CC-C-045-0-2
				CC-C-045-4-6**
]				CC-C-045-8-10
		0		LT-C-048-0-2
				LT-C-048-2-4
				LT-C-048-6-8
				CC-C-046-0-2**
PB (prep blank)	Calcium	7.49 mg/Kg		CC-C-046-4-6**
	Iron	5.23 mg/Kg	'	CC-C-046-8-10
	Magnesium	2.33 mg/Kg		CC-C-047-0-2**
	Manganese	0.134 mg/Kg		CC-C-047-2-4**
	Zinc	0.354 mg/Kg		CC-C-047-8-10**
				LT-C-049-0-2
			į	LT-C-049-2-4
				LT-C-049-8-10

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron	0.0318 mg/L		FB027
	Manganese	0.00228 mg/L		
	Zinc	0.00172 mg/L		
ICB/CCB	Iron	0.0249 mg/L		CC-C-042-0-2**
	Manganese	0.000610 mg/L		CC-C-042-2-4**
				CC-C-043-0-2**
ICB/CCB	Copper	0.00177 mg/L		CC-C-042-0-2**
		•		CC-C-042-2-4**
				CC-C-043-0-2**
			!	CC-C-044-8-10**
ICB/CCB	Barium	0.00770 mg/L		CC-C-045-4-6**
	Copper	0.00192 mg/L		CC-C-046-0-2**
	Manganese	0.00130 mg/L		·
ICB/CCB	Copper	0.00192 mg/L		CC-C-046-4-6**
	Iron	0.0520 mg/L		
	Manganese	0.00130 mg/L		
ICB/CCB	Copper	0.00203 mg/L		CC-C-047-0-2**
	Iron	0.0520 mg/L		CC-C-047-2-4**
	Manganese	0.00130 mg/L		CC-C-047-8-10**

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
CC-C-042-8-10	Zinc	5.8 mg/Kg	9.8U mg/Kg
CC-C-044-4-6	Zinc	10.8 mg/Kg	11.6U mg/Kg
CC-C-044-8-10**	Zinc	3.6 mg/Kg	12.0U mg/Kg
FB027	Manganese .	0.00052 mg/L	0.0030U mg/L
	Zinc	0.0028 mg/L	0.010U mg/L
LT-C-048-2-4	Zinc	9.6 mg/Kg	11.7U mg/Kg

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB027 was identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-043-6-8 for metals and CC-C-046-4-6** for ICP metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS		MS	MSD	RPD	QC	Associated	Validation
Sample	Analyte	%R	%R	Limits	Limits	Samples	Actions
CC-C-043-6-8MS/MSD	Aluminum	297	222	-	75-125	LT-XC-020-02	J detects
000000000000000000000000000000000000000	Barium	126	319	62 (≤35)	75-125	LT-XC-020-4-6	J detects
	Calcium	157	131	-	75-125	LT-XC-020-6-8	J detects
	Copper	139	144	_	75-125	CC-C-042-0-2**	J detects
	Lead	204	-	-	75-125	CC-C-042-2-4**	J detects
	Manganese	161	165	_	75-125	CC-C-042-8-10	J detects
	Zinc	196	-	_	75-125	CC-C-043-0-2**	J detects
					İ	CC-C-043-2-4	
		ĺ				CC-C-043-6-8	
						DUP026	
						CC-C-044-0-2	
	:					CC-C-044-4-6	
						CC-C-044-8-10**	
						CC-C-045-0-2	
	ļ	ļ			ļ	CC-C-045-4-6**	
						CC-C-045-8-10	
						LT-C-048-0-2	
						LT-C-048-2-4	
	·					LT-C-048-6-8	
						CC-C-046-0-2**	
CC-C-043-6-8MS/MSD	Mercury	71	69	-	75-125	LT-XC-020-02	J detects
						LT-XC-020-4-6	
						LT-XC-020-6-8	
						CC-C-042-0-2**	
	ļ					CC-C-042-2-4**	
				! 	1	CC-C-042-8-10	
						CC-C-043-0-2**	
						CC-C-043-2-4	
		}				CC-C-043-6-8	
						DUP026	
						CC-C-044-0-2	
						CC-C-044-4-6	
						CC-C-044-8-10**	
					1	CC-C-045-0-2	
						CC-C-045-4-6**	
		l	ļ	ļ	[CC-C-045-8-10	ļ
						LT-C-048-0-2	
						LT-C-048-2-4	
		L				LT-C-048-6-8	

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-046-4-6MS/MSD	Aluminum	211	217	-	75-125	CC-C-046-4-6**	J detects
	Chromium	73	-	-	75-125	CC-C-046-8-10	J detects
	Copper	46	61	-	75-125	CC-C-047-0-2**	J detects
	Lead	70	-	-	75-125	CC-C-047-2-4**	J detects
	Magnesium	-	140	-	75-125	CC-C-047-8-10**	J detects
						LT-C-049-0-2	
						LT-C-049-2-4	
						LT-C-049-8-10	
CC-C-046-4-6MS/MSD	Antimony	73	74	2	75-125	CC-C-046-4-6**	J detects
	·					CC-C-046-8-10	UJ nondetects
ŀ						CC-C-047-0-2**	
						CC-C-047-2-4**	
						CC-C-047-8-10**	
						LT-C-049-0-2	
						LT-C-049-2-4	
						LT-C-049-8-10	

Estimate (J) the positive aluminum, calcium, copper, lead, manganese, magnesium, and zinc results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive mercury, chromium, copper, and lead results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive barium results for the samples listed above due to high MS percent recovery and MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Estimate (J/UJ) the positive and nondetect antimony results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

	Concentrati	on (mg/Kg)	RPD	Difference	·	
Analyte	CC-C-042-0-2**	DUP026	(Limits)	(Limits)	Validation Actions	
Aluminum	8020	4910	48 (≤100)	-	· -	
Antimony	32.5	11.0	-	21.5 (≤168.2)	-	
Arsenic	30.1	16.1	_	14 (≤22.4)	-	
Barium	74.0	61.2	19 (≤100)	-	-	
Beryllium	0.26	0.21	-	0.05 (≤2.2)	-	
Cadmium	2.3	0.76	-	1.54 (≤2.2)	-	
Calcium	13100	13700	4 (≤100)	-	-	
Chromium	16.9	11.8	_	5.1 (≤5.6)	-	
Cobalt	12.0	5.7	-	6.3 (≤5.6)	J detects	
Copper	141	43.5	106 (≤100)	-	J detects	
Iron	28600	9460	101 (≤100)	-	J detects	
Lead	242	133	58 (≤100)	-	-	
Magnesium	3460	4020	15 (≤100)	-	-	
Manganese	1290	261	133 (≤100)	-	J detects	
Nickel	18.2	10.2	-	8 (≤56.0)	-	
Potassium	974	853	13 (≤100)	•	-	
Selenium	2.7	1.3	-	1.4 (≤44.8)	-	
Silver	4.3	0.69	-	3.61 (≤5.6)		
Sodium	192	129	-	63 (≤1570)	-	
Vanadium	20.8	14.7	34 (≤100)		-	
Zinc	209	98.6	72 (≤100)	-	-	
Mercury	0.076	0.071	-	0.005 (≤0.044)	-	

⁻⁼no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair. For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

The positive results for cobalt, copper, iron, and manganese were qualified as estimated (J) due to high difference or RPD in field duplicate results for samples CC-C-042-0-2** and DUP027. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

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Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

SDG Labo	#: 31445A4 #: 480-55087-1 ratory: Test America, In	С.		Ca 1471	t A/Cat	IESS WORKSHI B 10A	EET	Date: 3/6/1 Page:		
	samples listed below were ation findings worksheets		ewed for ead	h of the fo	ollowing	/alidation areas. Val	idation fin	dings are noted in attached		
	Validation	Area				С	omments			
I.	Technical holding times			4	Sampling	dates: 2/20	7-21	114		
II.	ICP/MS Tune			14-	Not revie	wed for Cat A review.	- v			
III.	Calibration			A	Not revie	wed for Cat A review.				
IV.	Blanks			5W	Tess/co	B V				
V.	ICP Interference Check Sai	mple (I	CS) Analysis	<u> </u>	Not revie	wed for Cat A review.				
VI.	Matrix Spike Analysis			5V1						
VII.	Duplicate Sample Analysis			N.						
VIII.	Laboratory Control Sample:	s (LCS)	A	Los	ipm				
IX.	Internal Standard (ICP-MS)	1		NA						
X.	ICP Serial Dilution			A	Not-reviewed for Cat A review.					
XI.	Sample Result Verification			Д	Not revie	lot reviewed for Cat A review. MM & Roult M. The				
XII.	Overall Assessment of Data	а		A						
XIII.	Field Duplicates			5W	(4.	(0)				
XIV.				W	FB=	27 LRV				
Note: Valida	A = Acceptable N = Not provided/applicable SW = See worksheet ted Samples: ** Indicates samp		R = Rins FB = Fie	ld blank	s detected	D = Duplicate TB = Trip blank EB = Equipmen				
1	LT-XC-020-02	11	CC-C-044-0-2		21	CC-C-046-0-2	31	CC-C-043-6-8MSD		
2	LT-XC-020-4-6	12	CC-C-044-4-6		22	CC-C-046-4-6	32	CC-C-046-4-6MS		
3	LT-XC-020-6-8	13	CC-C-044-8-1	**	23	CC-C-046-8-10	33	CC-C-046-4-6MSD		
4 0	CC-C-042-0-2	14	FB027		24	CC-C-047-0-2	34	47		
5	CC-C-042-2-4	15	CC-C-045-0-2		25	CC-C-047-2-4	35			
6	CC-C-042-8-10	16	CC-C-045-4-6	# X	26	CC-C-047-8-10	36			
7	CC-C-043-0-2 **	17	CC-C-045-8-1	0	27	LT-C-049-0-2	37			
8	CC-C-043-2-4	18	LT-C-048-0-2		28	LT-C-049-2-4	38			
9	CC-C-043-6-8	19	LT-C-048-2-4		29	LT-C-049-8-10	39			

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		<i>/</i> ·		

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LT-C-049-8-10

CC-C-043-6-8MS

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LT-C-048-6-8

LDC #. 1144TA-

VALIDATION FINDINGS WORKSHEET Sample Specific Element Reference

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All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-21	50.1/m	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN,
	-//	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
70/31	501	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
12/33	Y	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, (Ni, K, Se, Ag, Na, Tl, V, Zn) Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
7		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Analysis Method
CP	f	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mr, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
CP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
SFAA		Al, Sh, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Ph, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, R, Si, CN

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

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METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied:

Samp	le (Concen	tratio	n units,	unless	otherwise	noted:	mg/Kg	
------	------	--------	--------	----------	--------	-----------	--------	-------	--

Associated Samples: 1-13,15-21

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	6	12	13	19						
Са	4.28					:								
Fe	2.23													
Mn	0.0413													
Zn	0.245				5.8/9.8	10.8/11.6	3.6/12.0	9.6/11.7						

Associated Samples: 22-29 (>RL) Sample Concentration units, unless otherwise noted: mg/Kg

						Sample Identification				ation				
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Са	7.49												:	
Fe	5.23													
Mg	2.33											į		
Mn	0.134													
Zn	0.354													

Sample Concentration units, unless otherwise noted: __mg/L_ Associated Samples: 14

				-13-7		e Joseph III - III e	Sample Ide	entification		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	14					
Fe		0.0318	:	:	-0:00052/0:0030-	2				
Mn		0.00228			0.00052/0.0	<i>1</i> 30			:	
Zn		0.00172			0.0028/0.010					

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

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METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied:

Associated Samples: 4,5,7 (>RL) Sample Concentration units, unless otherwise noted: mg/Kg

		10 (TEN)					Sam	ple Identific	ation		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit							
Fe			0.0249								
Mn			0.000610								

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 4,5,7,13 (>RL)

							Sam	ole Identific	ation		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit							
Cu			0.00177		_				-		

Associated Samples: 16-21 (>RL) Sample Concentration units, unless otherwise noted: mg/Kg

	and the second	100					Samı	ole Identific	ation		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit							
Ва			0.00770								
Cu			0.00192								
Mn			0.00130								

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445A4

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

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METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied:

Sample Concentration units, unless otherwise noted: mg/Kg

Associated Samples: 22 (>RL)

					5.1.0		Sam	ple Identific	ation	2	
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit					·		
Cu		,	0.00192								
Fe			0.0520								
Mn			0.00130								

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 24,25,26 (>RL)

			41.7				Sam	ple Identific	ation		2.00	
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit								
Cu			0.00203									
Fe			0.0520							-		
Mn			0.00130									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445A4

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page:_	of
Reviewer:	L-
2nd Reviewer:	01

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Rease see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". Was a matrix spike analyzed for each matrix in this SDG?

N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor

of 4 or more, no action was taken.

Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	30/31	Soil	Al	297	222		1-13,15-21	J det (All det)
П			Ba	126	319	62		
			Ca	157	131			
			Cu	139	144			
			Pb	204				
П			Mn	161	165		,	,
			Zn	196			7	J
			Hg	71	69		1-13,15-20	J/UJ (All det)
2	32/33		Al	211	217		22-29	J det (All det)
П			Sb	73	74		1	J/UJ (det + ND)
			Cr	73				J/UJ (All det)
			Cu	46	61			
			Pb	70				\bigvee
П			Mg		140	·		J det (All det)
	•							

Comments: 30/31: Fe >4X,32/33: Ca, Fe, Mn >4X, no qual for %R

LDC#: 31445A4

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page: ____ of ___ Reviewer: _____ 2nd Reviewer: _____

METHOD: Metals (EPA Method 6010C/7471B)

	Concentrat	Concentration (mg/Kg)				Qualifications
Compound	4	10	RPD	Difference	Limits	(Parent Only)
Aluminum	8020	4910	48			
Antimony	32.5	11.0		21.5	(≤168.2)	
Arsenic	30.1	16.1		14	(≤22.4)	
Barium	74.0	61.2	19			
Beryllium	0.26	0.21		0.05	(≤2.2)	
Cadmium	2.3	0.76	·	1.54	(≤2.2)	
Calcium	13100	13700	4			
Chromium	16.9	11.8		5.1	(≤5.6)	
Cobalt	12.0	5.7		6.3	(≤5.6)	J det
Copper	141	43.5	106			J det
Iron	28600	9460	101			J det
Lead	242	133	58			
Magnesium	3460	4020	15			
Manganese	1290	261	133			J det
Nickel	18.2	10.2		8	(≤56.0)	
Potassium	974	853	13			
Selenium	2.7	1.3		1.4	(≤44.8)	
Silver	4.3	0.69		3.61	(≤5.6)	
Sodium	192	129		63	(≤1570)	
Vanadium	20.8	14.7	34			
Zinc	209	98.6	72			
Mercury	0.076	0.071		0.005	(≤0.044)	

VALIDATION FINDINGS WORKSHEET Initial and Continuing Calibration Calculation Verification

Page: <u>`</u>	of
Reviewer:	~
2nd Reviewer:	01

IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

.n initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

 $R = Found \times 100$ True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	لا⁄ Found (ہاُg/L)	س True (ہ اُ g/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
IN	ICP (Initial calibration)	C~	(8.74	18.8	00	(00)	Y
-	ICP/MS (Initial calibration)						
IcV	CVAA (Initial calibration)	Hg	0,00290	0.00300	97	99	У
cw	ICP (Continuing calibration)	Tl	2,488	0,500	98	98	J
	ICP/MS (Continuing calibration)						
cul	CVAA (Continuing calibration)	Ha	0,0000	1,10200	In	(00	\
	GFAA (Initial calibration)	J					,
	GFAA (Continuing calibation)						

omments:	Refer to Calibration	Verification findings	worksheet for list of	f qualifications and	associated sam	ples when reported	l results do not agre	ee within 10.0% of the
calculated	results.							

DC#: 3144TA

VALIDATION FINDINGS WORKSHEET Level IV Recalculation Worksheet

Page:_	<u>l_of_</u>
Reviewer:_	<u> </u>
2nd Reviewer:	07

IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

ercent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

R = Found x 100 True Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation,

Found = SSR (spiked sample result) - SR (sample result).

True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

 $PD = |S-D| \times 100$ (S+D)/2 Where, S = Original sample concentration

D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

 $D = \underbrace{\text{II-SDRI}}_{} \times 100$

Where, I = Initial Sample Result (mg/L)

SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ZUSAB	ICP interference check	Mn	0,473	0,500	75	کر?	Y
103	Laboratory control sample	14	2.1/	3,77	719	71-9	
} •	Matrix spike	1	(SSR-SR) 42.73	43,3	59	25	
3-133	Duplicate	cy	67.	58.4	('4	14	
9	ICP serial dilution	20	1,7449	1,2016	3-6	3-6	J J

omments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 3144024

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	
Reviewer:_	~
2nd reviewer:_	01/

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please s Y N N/ Y N N/ Y N N/		lifications below for all question Have results been reported a Are results within the calibrat Are all detection limits below	and calculated of the	correctly?	·	
Detected equation	•	e results for			were recalculated and	verified using the following
Concentra	ition =	(RD)(FV)(Dil) (In. Vol.)	Red	calculation:	100 rt mel. I time	
RD : FV : In. Vol. : Dil :	= = = =	Raw data concentration Final volume (ml) Initial volume (ml) or weight (G) Dilution factor	P.K	th: -	0.5158fx 0.873	- = 20% (they

#	Sample ID	Analyte	Reported Concentration (MM)	Calculated Concentration	Acceptable (Y/N)
	4	Z N	209	25	1
	5		5.0	b	
	3	A3	5a 0	h. 0	
	7	1+g	0.096	००१७	
	13	AL	728	no	
	16	fb	87.6	87.0	
	ン	Pa	lo Z	(62	
) Y	CV	79.4	29,7	
	ve	$\sqrt{}$	(8,3	18,3	
	V	Cn	113	11.3	
	26	cJ	0.18	0,16	

ote:

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: H	W-2 Revision 13 Ar	pendix A.1	Sept. 2006
			YES NO N/A
(b) Form I's?		
	Is the number of samples on the Cor Page the same as the number of samples on the Traffic Report sheet and the Regional Record of Commu- (ROC) for the data Case?		
	ACTION: If no for any of the above, prepare Telephone Record Log and contact F for re-submittal of the corrected Cove from the laboratory.		
A.1.6 <u>S</u> E	G Narrative, DC-1 & DC-2 Form		
	Is the SDG Narrative present?		<u> </u>
	Is Sample Log-In Sheet(Form DC-1) present and complete?		<u> </u>
	Is Complete SDG Inventory Sheet(Fo present and complete?	rm DC-2)	
	ACTION: If no, write in the Contract-Problems/ Non-Compliance Section of the Dan Narrative.	ta Review	
.1.7 <u>For</u>	m I to XV		
.1.7.1	Are all the Form I through Form XV labeled with:		
	Laboratory Name?		
	Laboratory Code?		
	RAS/Non-RAS Case No.?		
	SDG No.?		[1

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Evaluation of Metals Data for the Contract Laboratory Program
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SOP:	HW-2 Revisi	on 13	Appendix A.1		Sept. 2006
				YES	NO N/A
A.I.I	Contract Compli Present?	ance Screening	2 Report		·
	ACTION:	If no, contact	RSCC/PO.		
A.I.2	Record of Comm	unication (fron	n RSCC)	•	
	Present?			[1]	
	ACTION:	If no, request	from the RSCC.		•
A.1.3	Sampling Trip Re	port		1	
	Present and	d complete?		(1/2)	
	ACTION:	If no, contact I	RSCC/PO.		
A.I.4	Chain of Custody	/Sample Traffic	Report		
	Present?				·
	Legible?				· .
	Signature of present?	sample custodi	an		
	ACTION: If r	o, contact RSC	C/WAM/PO.		
4.I.5	Cover Page				
	Present?				
	and the verba	Page properly fi atim signed by t he manager's d	he lab		
		e identification Page agree wit numbers on:			
	(a) Traffic Re	port Sheet?			

USEPA Region 2 Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13	Appendix A.1	Sept. 2006
			YES NO N/A
	Contract No.?		
A.1.7.2	ACTION: If no for any of the above, Contract Problem/Non-Color of the "Data Review Narra" PO for corrected Form(s) for After comparing values on against the raw data, do an transcription errors exceed reported values on the Formatical services.	mpliance Section tive" and contact rom the laboratory. Forms I-IX ny computation/ 10% of the	
(a) a	all analytes analyzed by ICP-,	AES?	_ [1]
(b) a	all analytes analyzed by ICP-I	MS?	_ [.] _
(c) N	Mercury?	,	_ 🗹
(d) C	Cyanide?		_ [] [
If yes	ION: s, prepare Telephone Record contact CLP PO/TOPO for th from the laboratory.	-	·
hard	<u>Data</u> shall not be validated with lelectronic copies of the as data for samples and QC sa	sociated	
A.1.8.1	Digestion/Distillation Log		
	stion Log for ICP-AES XII)present?		
	tion Log for ICP-MS XII) present?		
	tion Log for mercury XII) present?		<u> </u>
	ation Log for cyanide XII) present?	·	
Are ni	H values for metals and		

Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision	13	Appendix A.1	Sept. 2006
					YES NO N/A
		reported for s sample?	each		<u> </u>
		cent solids ca for soils/sedi			<u> </u>
	, ,		s present on the ogs/bench sheets?	,	<u> </u>
			st include weights, volun the reported results.	nes,	
A.1.8.	2 Is real-time	the analytica printouts	l instrument present for:		
	ICP-AES	?			<u></u>
	ICP-MS?				
	Mercury?	•			M
	Cyanide?				
á	and instru	ooratory bend iment raw da y to support a nd QC opera	ata printouts all sample		
L	_egible?				<u> </u>
F	Properly la	beled?			M
		samples, Q QC samples			
)igestion/C	istillation log)?		<u></u>
İr	nstrument	Printouts?			M
	1 OTION				

ACTION:

If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

Evaluation of Metals Data for the Contract Laboratory Program
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Revision 13 Appendix A.1 SOP: HW-2 Sept. 2006 YES NO A.1.9 Technical Holding Times: (Aqueous and soil samples) (Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.) A.1.9.1 Cyanide distillation(14 days)exceeded? Mercury analysis(28 days) exceeded? Other Metals analysis(180 days)exceeded? **ACTION:** If yes, reject (R) and red-line non-detects and flag as estimated (J)results > MDL even if sample(s) was preserved properly. NOTE: In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative. A.1.9.2 Is pH of aqueous samples for: Metals Analysis < 2? Cyanide Analysis ≥ 12? ACTION: If no for any of the above, flag non-detects as "R" and detects as "J". A.1.9.3 Is the cooler temperature ≤ 10 C°? ACTION: If cooler temperature is >10°C, flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

COLLII ROGIOII 2

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision 13	Appendix A.1		Sept. 2006
				YES	NO N/A
	prese	nt and complete?			
	Log ar	<u>N:</u> prepare Telephone Record and contact CLP PO/TOPO tal from the laboratory.			·
A.1.10		•	ation and transcription errors in the sle on each Form I all results that a		
	1	s the calculation error les	s than 10% of the correct result?		
		are results on Form I's re MG/KG for soils)?	ported in correct units (ug/L for aq	ueous a	nd
	Δ	re results on Form I'S re	ported by correct significant figu	res? [<u> /</u>	<u> </u>
		re soil sample results on orrected for percent solid		[]	
		re all "less than MDL" va the CRQLs and coded v	•	[]	<u> </u>
	Ьι	re values less than the C It greater than or equal to DLs flagged with "J"?			
		e appropriate contractua itrol and Method qualifier		[]	
	lf pr	CTION: no for any of the above	Log, and contact		
.1.10.3	an sa on	EPA sample identification the corresponding laborable identification number the Cover Page, Form I'the raw data?	oratory ers match	[]	

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Was a brief physical description

USEPA Region 2 Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13	Appendix A.1	Sept. 20	06
			YES NO	N/A
	of the samples before and digestion given on the Forr		[] 🕢	
	Was any sample result out mercury/cyanide calibration or the ICP-AES/ICP-MS lin diluted and noted on the Fo	n range sear range		
	ACTION: If no for any of the above, rethe Contract-Problem/Non-Section of the Data Review	-Compliance	·	
A.1.11 <u>Initia</u>	l Calibration			
A.1.11.1	Is a record of at least 2 poir (A blank and a standard)ca present for ICP-AES analys	libration		_
	Is a record of at least 2 poir (a blank and a standard)calibrate present for ICP-MS analysis	tion	[]	<u> </u>
	Is a record of at least 5 poir (a blank & 4 standards)present		[<u></u>	
	ls a record of at least 4 poir (a blank & 4 standards)present		[]	
	ACTION: If incomplete or no initial cal was performed, reject (R) as the associated data (detects	nd red-line		
	Is one initial calibration stan at the CRQL level for cyanic mercury?		[<u></u>	
]	ACTION: f no, write in the Contract P Non-Compliance Section of Review Narrative.			
	s the curve correlation coefficient > 0.995 for:			

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
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SOP: HW	-2 Revision 13 · App	pendix A.1	Sep	t. 200	6
	Mercury Analysis?		YES []	<u>— NO N</u>	<u>/A</u>
	Cyanide Analysis?		[]		
	ICP-AES (more than 2 point Ca	lib.)?	[]		
	ICP-MS (more than 2 point ca	.lib.)?	f 1		
	ACTION: If no, qualify the associate results > MDL as estimated "non-detects as "UJ". NOTE: The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.)	J" and	J		
A.1.12	Initial and Continuing Calibrat	ion Verification-	Form IIA	-	
A.1.12.1	Present and complete for evemental and cyanide?	су	[]		
	Present and complete for ICP- and ICP-MS when both these me were used for the same analyt	ethods	[]		V
	ACTION: If no for any of the above, predephone Record Log and cont for re-submittal from the lab	act PO/TOPO			
A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?		<u>[]</u>		
	ACTION: If no for any of the above, win the Contract-Problem/Non-C Section of the Data Review Na	ompliance			
A.1.12.3	Was an ICV or a mid-range standistilled and analyzed with each of cyanide samples?		[] _		\checkmark

Evaluation of Metals Data for the Contract Laboratory Program
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SOP:	HW-2	Revision 13	Appendix A.1	Se	ept. 2	2006
				YES	NO	N/A
		in the Contract Section of the I	f the above, write -Problem/Non-Compliance Data Review Narrative and - MDL as estimated (J).			
A.1.12	2.2	Circle on each Form that are outside the c	IIA all percent recoveries contract windows.			
		Are ICV/CCVs within	control limits for:			
		Metals - 90-110)%R?	[1		
		Hg - 80-120%	R?	$[\underline{\checkmark}]$		
		Cyanide - 85-115	5%R?	[]		<u>~</u>
			les between a previous technically ac quent technically acceptable CCV st	•	:CV	
	Qualify as estimated (J) all detects and non-detects, if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN). Qualify only positive results(\geq MDL) as "J" if the ICV/CCV %R is between 111-125%(121-135% for Hg;116-130% for CN). Reject (R) and red-line only detects if the recovery is greater than 125% (135% for Hg; 130% for CN). Reject (R) and red-line all associated results (hits and non-detects) if the recovery is less than 75%(65% for Hg;70% for CN).					
	F	NOTE: For ICV that does not fall with qualify all samples reported fr				
A.1.12.3	S	Was the distilled ICV of standard for cyanide with the contract of the contrac		[]	**************************************	<u> </u>
	_	ACTION: f no, Qualify all cyanic	le results ≥ MDL as "J".			

4.1.13 CRQL Standard Analysis - Form IIB

1.1.13.1 For each ICP-AES run, was a CRI

Standard Operating Procedure

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
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SOP: HW	W-2 Revision 13	Z	Appendix A.1	Se	pt. 2006	
•	CRQL or MDL when M andard analyzed? (Note:CRI is not Ca, Fe, Mg, Na a	required for A	1, Ba,	YES	NO N/A	
	For each ICP-MS (CRQL or MDL when analyzed for each for the analysis?	MDL > CRQL) stan		[]		
	For each mercury standard analyzed		-	[]		
	For each cyanide i standard analyzed			[]		
ICP	ACTION: If no for any of the this deficiency in the Non-Compliance S Narrative, inform C in the affected rangand non-detects U. affected ranges are: -AES Analysis - *True	ne Contract Problection of the Data LP PO and flag riges (detects <2x0 J. Value <u>+</u> CRQL	a Review esults			·
Mer	cury Analysis - *True '	Value ± CRQL Value ± CRQL Value ± CRQL he CRQL standar	đ	·		
.1,13.2	Was a CRQL stand ICV/ICB, before the once every 20 analy the analytical run for	final CCV/CCB a tical samples in		[]	<u> </u>	
	ACTION: If no, write in the Co Non-Compliance Se "Data Review Narrat	ction of the				
.1.13.3	Circle on each Form recoveries that are o	•				

acceptance windows.

Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13 Appendix	A.1	Sept. 2006
	Is the CRQL standard within control limits for:	YES	NO N/A
	Metals(ICP-AES/ICP-MS)- 70 - 130%?		· -
	Mercury- 70 - 130%?	[_	
	Cyanide - 70 - 130%?	[]
	ACTION: If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line or detects <2xCRQL and flag (J)detects ≥ 2xCR but < ICV/CCV if the recovery is > 180%. NOTE: 1. Qualify all field samples analyzed between a previous technically acceptable analysis the CRQL standard and a subsequent acceptable analysis of the CRQL standard 2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the	een nly QL	
	acceptance windows. 3.The samples and the CRQL standard must be analyzed in the same analytical run.		
.1.14 <u>Initi</u>	al and Continuing Calibration Blanks - Form	<u>. </u>	
.1.14.1	Present and complete for all the instruments used for the metals and cyanide analyses?	$\lfloor \sqrt{\ } \rfloor$]
	Was an initial Calibration Blank analyzed after ICV?	[])
	Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?	[]	, I
	Were the ICB & CCB values > MDL but < CRC reported on Form III and flagged "J" by	QL	

USEPA Region 2 Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13	Appendix A.1	Se	pt. 2006	<u>.</u>
	using MDLs from direct analysis(F Method "NP1")? (Check Form III against the re		YES	<u>NO N/</u>	<u>A</u>
	ACTION: If no, inform CLP PO/TOPO and in the Contract-Problems/Non-Co Section of the "Data Review Narra	mpliance			
	Circle with red pencil on each For all Calib. Blank values that are:	m III			
	≥ MDL but ≤	CRQL			•
	> CRQL				
	When MDL < CRQL, is any Calib. value ≥ MDL but ≤ CRQL?	Blank		[]	
l: b	ACTION: f yes, change sample results ≥ Mi out ≤ CRQL to the CRQL with a "L Do not qualify non-detects.				
	en MDL < CRQL, is any Calib. Bla e > CRQL?	nk		[_]	
If a b de < re	ACTION: Tyes, reject (R) and red line the ssociated sample results > CRQL ut <icb a="" blank="" ccb="" etects="" flag="" result.=""> ICB/CCB blank value but 10xICB/CCB value. Change the sesults > MDL but < the CRQL to C ith a "U".</icb>	as "J" : sample			
•	y Calibration Blank value w the negative CRQL?				
lf j	CTION: yes, flag (J) as estimated all ssociated sample results ≥ CRQL I0xCRQL.	but			

NOTE:

^{1.} For ICB that does not meet the technical QC Criteria, apply the action to all samples

promound oberneaming expresents

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· Evaluation of Metals Data for the Contract Laboratory Program
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SOP: HW-	2 Revision 13	Appendix A.1	Se	ept. 20	06
2. Fo ap pre a s	ported from the analytical run. or CCBs that do not meet the technic ply the action to all samples analyze evious technically acceptable analysi subsequent technically acceptable ar CB in the analytical run.,	d between a is of CCB and	YES	<u>МО</u>	<u>N/A</u>
A.1.15	<u>Preparation Blank</u> <u>NOTE</u> : The Preparation Blar is the same as the calibr	nk for mercury			
A.1.15.1	Was one Preparation with and analyzed f	for:	·		
	Each batch of the S digested/distilled?	SDG samples			
	Each matrix type? All instruments use and cyanide analyse				
	ACTION: If no for any of th as estimated (J) al positive data <10xM. Preparation Blank w	l the associated DL for which the			
	NOTE: If only one blank was anal than 20 samples, then the analyzed are not estimated additional samples must be	first 20 samples l(J),but all		~	
	Circle with red pence all Prep. Blank value				
	≥ MDL but s				
	> CRQL		,		
	When MDL < CRQL, is value \geq MDL but \leq CF	any preparation blank RQL?	\angle	[]	
	A CTTON.				

If yes, change sample result > MDL

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	hub appl to appl to	th a NII	<u>YES</u>	NO N/	<u>A</u>
	but < CRQL to CRQL wi	.tii a ~U~.			
A.1.15.2.	2 When the MDL \leq CRQL, Blank value greater t			. [_]	
	If yes, is the Prep. greater than the valu Field Blank collected the SDG samples?	e of the associated		[]	_
	If yes, is the lowest that analyte in the as less than 10 times the Blank value?	ssociated samples		[]	
	sample results greater than the Prep.Blank va detects > Prep. Blank	d red-line all associate than the CRQL but less alue. Flag as "J" value but <10xPrep.Blag MDL but < CRQL, repla	ss ank.		
	If the Prep. Blank val analyte value in the F qualify the sample res Prep. Blank criteria.	ield Blank, do not	ame		
	NOTE: Convert soil sample result to wet weight basis to compare we Prep. Blank result on Form III	ith the soil			
4.1.15.2.3	Is the Prep. Blank con below the negative CRQ		[_	<u>/</u>	
	ACTION: If yes, flag (J) all as sample results less that Qualify non-detects as	an 10xCRQL.			
	When the MDL is greate: CRQL, is the preparation concentration on Form I than two times the MDL?	on blank III greater		[] _	<u> </u>

ACTION:

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		YES	NO	N/A
	If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.			
A.1.16	<pre>ICP-AES/ICP-MS Interference Check Sample (I NOTE:Not required for CN, Hg, Al, Ca, Fe and Mg.</pre>	CS) - Fo	rm IV	
A.1.16.1	Present and complete?	[]		
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?	[]	<u> </u>	
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	[]		1
	ACTION: If no, flag as estimated (J) all sample results.			
A.1.16.2	ICP-AES Method			
4.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" analyte values within the control limits <u>+</u> of CRQL of the true/established mean value?			
	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?	[]		
	ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:			

Flag (J) as estimated only sample results $\geq MDL$

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	(True value+CRQI If the ICSA "Fou	CSA "Found" value is greater than). Do not qualify non-detects. and" value is less than a), flag non-detects as "UJ" and	<u>YES</u>	. <u>NO</u>	<u>N/A</u>
A.1.16.2	ICSAB within the	all analyte results in control limits of 80-120 blished mean value?	[í	
	sample concentra or Mg in the sam greater than or	the above, is the tion of Al, Ca, Fe, e units (ug/L or MG/KG) equal to its respective the ICSAB Solution on	[]	ı <u></u>	
	all samples analy technically accer ICS and a subsequ	e following action to vzed between a previous otable analysis of the nent technically acceptable CS in the analytical run:			
	sample results ≥ analyte recovery ≤ 1.50%. If the IC 50-79%, qualify s and non-detects a all sample result which the ICSAB a 50%. If the recov	mated those associated MDL for which the ICSAB is greater than 120% but SAB recovery falls within ample results ≥ MDL as "J" s "UJ". Reject (R) and red-line s (detects & non-detects) for nalyte recovery is less than ery is above 150%, reject (R) positive results.			
.1.16.3	ICP-MS Method				
.1.16.3.1	values within the of the true/estable ACTION: If no, apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply the true apply true apply the true apply true apply the true apply true apply the true apply apply true apply true apply true apply true apply true apply true apply true apply apply true apply true apply true apply true	the ICSA "Found" analyte the control limits of ±CRQL to blished mean value? Eollowing action to all from the analytical run:	[]		<u> </u>
	if the ICSA "Found (True value+CRQL).	ated only sample results > MDL d" value is greater than Do not qualify non-detects.			

(True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

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			YES	<u>NO</u>	N/A
A.1.16.3.3	ICSAB Solution For ICP-MS, are all analyt in ICSAB within the contro 80-120% of the true/establ value, whichever is greate	l limits of ished mean	[]		V
	ACTION: If no, apply the following samples reported from the				
	Flag (J) as estimated those sample results ≥ MDL for what analyte recovery is greated ≤ 150%. If the ICSAB recovers 50-79% flag (J) as estimated sample results ≥ MDL. Reject those all sample detects as which the ICSAB analyte recovery is about and red-line only detects	hich the ICSAB r than 120% but ery falls within ed the associated ct (R) and red-line nd non-detects for covery is less than ove 150%, reject (R)			
	Spiked Sample Recovery: Pro				
A.1.17.1	Was Matrix Spike analysis p	oerformed:			
	For each matrix type?	,	[)		
	For each SDG?		[]		
•	On one of the SDG samples?				···
	For each concentration rang (i.e.,low, med., high)?	re	· [<u>/</u>]		
	For each analytical Method (ICP-AES,ICP-MS, Hg, CN)use	d?	[<u>V</u>]		
	was a spiked sample prepare analyzed with the SDG sampl		<u>(_/)</u> .		
] e	CTION: f no for any of the above, stimated(J)all the positive for which a spiked sample work and the control of the control o	e data			
I a a	OTE: f more than one spiked sample we nalyzed for one SDG, then qualify ssociated data based on the wors ample analysis.	y the			

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	·		YES	NO N/A
A.1.17.2	Was a field blank or PE sampl for the spiked sample analysi			
·	ACTION: If yes, flag (J) as estimated data of the associated SDG sawhich field blank or PE sampl for the spiked sample analysi	mples for e was used		
A.1.17.3	Circle on each Form VA all sp recoveries that are outside t control limits (75-125%) that sample concentrations less th times the added spike concent:	he have an four		
	Are all recoveries within the control limits when sample concentrations are less than equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.	or	()	
	Are results outside the contro (75-125%)flagged with Lab Qual on Form I's and Form VA? ACTION: If no for any of the above, wr the Contract - Problems/Non-Co Section of the Data Review Nar	ifier "N" ite in mpliance	[]	
A.1.17.4	Aqueous			
	Are any spike recoveries:			
	(a) less than 30%?			<u></u>
	(b) between 30-74%?			[] <u>/</u>
	(c) between 126~150%?			
	(d) greater than 150%?			
	ACTION: If the matrix spike recovery is 30%, reject (R) and red-line all aqueous data (detects & non-det between 30-74%, qualify all assaqueous data > MDL as "J" and red-line all assaqueous data > MDL as "J" all assaqueous data > MDL as "J" all as "J"	. associated ects). If ociated		

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			YES	NO N/A	
		26-150%, flag (J) . If greater than 150%, ne all associated data	> MDL.		
	(NOTE:Replace "N" with	"J", "R" as appropriate.)			
A.1.17.5	Soil/Sediment				
	Are any spike recover	ies:			
	(a) less than 10%?				
	(b) between 10-74%?		4	[]	
	(c) between 126-200%?	.	_	[]	
	(d) greater than 200%?	It was viget as by	//	()	
	ACTION: If yes for any of the as follows:	above, proceed july	<u></u> .		
	data \geq MDL as "J" If g (R) and red-line all a	d red-line all cts & non-detects); ify all associated non-detects as "UJ"; lag (J) all associated reater than 200%, rejec			
.1.18	Lab Duplicates) - For	m VI			
.1.18.1	Was the lab duplicate	analysis performed:			
	For each SDG?		[]	<u> </u>	
F (On one of the SDG samp	les?	. []	<u> </u>	
	For each matrix type?		[]	<u> </u>	
	For each concentration (low or med.)?	range	[]	<u> </u>	
	For each analytical Med		[]	<u> </u>	
	Was a lab duplicate pro		ſl	/	

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		YES	NO	N/A
	ACTION: If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.			
	NOTE: If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.			
A.1.18.2	Was a Field Blank or PE sample used for the Lab Duplicate analysis?		[]	_
	ACTION: If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.			
A.1.18.3	Circle on each Form VI all values that are:			
	RPD > 20%, or			
	Absolute Difference > CRQL			
	Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?	[]	·	
	If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?	[]		_
	ACTION: If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.	•		
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.			
.1,18.4	Aqueous			

A.1.18.4.1 When sample and duplicate values are both

≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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			YES	NO	N/A	
	is any RPD > 20% but	< 100%?		[]		
	is any RPD \geq 100%?			[]		
	ACTION: If the RPD is > 20% b flag (J) as estimated sample data > CRQL. I > 100%, reject (R) an associated sample dat (NOTE:Replace "*" with "J	the associated for the RPD is and red-line the associated as a second control of the control of				
A.1.18.4.2	When the sample and/o <5xCRQL (substitute MDI is the absolute diffeand duplicate values:	L for CRQL when MDL >CRQL),				
	> ± CRQL?			[]	<u>_</u>	
	> ± 2xCRQL?			[]	_	
	calculate the absolute of	the associated out < 5xCRQL as "J" J". If the absolute L, reject (R) and ciated non-detects < 5xCRQL.				
1.18.5	Soil/Sediment					
	When sample and duplic are both \geq 5xCRQL (subs CRQL when MDL > CRQL),					
	is any RPD <u>></u> 35% but <	120%?		· []	_	
	is any RPD <u>></u> 120%?			[]		
	ACTION: If the RPD is \geq 35% an (J) as estimated the a	-				

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		_	the RPD is \geq 120%, reject the associated sample	YES	<u>NO</u>	<u>N/A</u>
A.1.1	8.5,2	.<5xCRQL(substitu	and/or duplicate value te MDL for CRQL when MDL > CRQL), difference between sample			
		> ± 2 x CRQL?			[]	_
		> <u>+</u> 4 x CRQL			[]	_
		<pre>flag all the ass but < 5xCRQL as If the absolute</pre>	difference is > 2 x CRQL, sociated sample results > MDL "J" and non-detects as "UJ". difference is > 4xCRQL, reject all the associated non-detects but <5xCRQL.			
		If one-value is > calculate the abs	"J", "UJ" or "R" as appropriate.) CRQL and the other value is non-detect, colute difference between the value > CR(use this difference to qualify sample re			·

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair collected and analyzed?

(Check Sampling Trip Report)

ACTION:

If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

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			YES	<u>NO</u>	N/A
	QC criteria stated in	n Sections A.1.19.2 and A	1.1.19.3.		
		nd the other value is ne absolute difference , and the MDL, and use	cs.		
A.1.19.2	Circle all values on for Field Duplicates	the Form (Appendix A.4) that have:			•
	RPD <u>></u> 20% or				
	Difference $> \pm$ CRQL				
•	When sample and duplic both >5xCRQL (substitute MDL > CRQL),				
	is any RPD > 20%?			[]	_/
	is any RPD ≥ 100%?			[]	
	the associated sample results \geq CRQL. If the	<pre>c < 100%, flag (J) only and its Field Duplicate RPD is \geq 100%, reject(F associated sample and it \geq CRQL.</pre>			
A.1.19.3	When the sample and/or <5xCRQL (substitute MDL is the absolute differ and duplicate:	for CRQL when MDL >CRQL),			
	> ± CRQL?			(<u> </u>)	
	> <u>+</u> 2 x CRQL?	·		[]	
	ACTION: If the absolute different flag detects > MDL but and non-detects as "UJ"	< 5xCRQL as "J"			·

is > 2xCRQL, reject (R) and red-line non-detects

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		nd results ≥ MDL but nd its Field Duplicat	<5xCRQL of the sample te.	<u>YES</u>	<u>NO</u> .	N/A
	<u>s</u>	oil/Sediment Field	Duplicates	,	,	
A.1.19.4	C	as a soil field dupli ollected and analyzed Theck Sampling Trip Rep	1?	[_]		,
	Ιf	CTION: f yes, for each soil air proceed as follow				
	pa Fi re sa th ab (s Fi	air. Report on Append eld Duplicate result espective Form I's. C ample and its duplica an 5xCRQL. Calculate esolute difference who ample or duplicate) is eld Duplicate analyse	or each Field Duplicate lix A.4 all sample and its s in MG/KG from their alculate and report RPD v te values are both greate and report the en at least one value s < 5xCRQL. Evaluate the is in accordance with the Sections A.1.19.5 and A.1	when .er		
	2. 3.S 4.I v a	Do not transfer "*" from	the other ulate the en the and apply			
		`				
A.1.19.5		ccle on each Appendix ues that have:	A.4 all			
·	Whe are	$0 \ge 35$ %, or Difference sample and duplicate both ≥ 5 xCRQL (substitution MDL > CRQL),	te values			
	is	any RPD ≥ 35% but <	120%?	 ,	[]	<u>·</u>
	is	any RPD ≥ 120 %?			[]	

ACTION:

If the RPD is \geq 35% but < 120%,

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	flag only the associa and its Field Duplica CRQL as "J". If the reject (R) and red-li and its Field Duplica	tte results RPD is <u>></u> 120%, ne only the sample	<u>YES</u>	NO N/A	
A.1.19.6	When the sample and/o <5xCRQL (substitute MDI is the absolute diffe and Field Duplicate:	L for CRQL when MDL > CRQL),	_	· · · · · · · · · · · · · · · · · · ·	
	> <u>+</u> 4 x CRQL?				
	Sample and its Field I but <5xCRQL as "J" and If the difference is red-line non-detects a	and its Field Duplicate.		·	
	The second of the second of	and analysis for			
1.20.1	Was one LCS prepared a	and analyzed for:			
1	Each SDG?		[]		
]	Each matrix type?				
.]	Each batch samples dig For each Method(ICP-AE ised?		(<u>√</u>)	· -	
t <u>2</u> 3 7 6 1 t	Was an LCS prepared an the samples? ACTION: If no for any of the a relephone Record Log a CLP PO or TOPO for sub LCS results. Flag (J) the data for which an analyzed.	bove, prepare nd contact mittal of the as estimated all	(<u></u>)		

If only one LCS was analyzed for

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	more than 20 samples, then 20 samples analyzed are no but all additional samples qualified (J).	ot flagged(J),	<u>YES</u>	NO	<u>N/A</u>
A.1.20.	2 Aqueous LCS				
	Circle on each Form Virecoveries outside con	<u> </u>			
	NOTE: 1.Use digested ICV and 2.Use distilled ICV	as LCS for aqueous mercury as LCS for aqueous cyanide			
	Is any LCS recovery:				
	Less than 50%?				
	Between 50% and 79%?			[_]	-
	Between 121% and 150%?			$[\underline{\ \ \ }]$	
	Greater than 150%?			[_]	
	ACTION: If the LCS recovery is reject (R) and red-lin sample data (detects & a recovery between 50-as "J" all non-detects recovery is between 12 detects as "J". if the than 150%, reject (R) a	e all associated non-detects); for 79%, flag detects as "UJ". if the LCS 1-150%, flag only			
A.1.20.3	Solid LCS	•			
A.1.20.3	If an analyte's MDL is				
	greater than the true v disregard the "Action" analyte even though the control limits.	below for that			
	Is the LCS "Found" valu than the Upper Control reported on Form VII?		[<u></u>	

ACTION:

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	If yes, flag (J) all the associated \geq MDL as estimated (J)		<u>YES</u>	<u>NO</u>	N/A
	Is the LCS "Found" value lower than the Lower Control Limit reported on Form VII?	:		(,]
	ACTION: If yes, flag detects as "J" an non-dectes as "UJ".	d			
A.1.21	ICP-AES/ICP-MS Serial Diluti MOTE: Serial dilution analysis is requ when the initial concentration is equ greater than 50 x MDL.	ired only			
A.1.21.1	Was a Serial Dilution analysis performed:				
	For each SDG?		[]		
	On one of the SDG samples?		[]		·
	For each matrix type?		[]		 •
	For each concentration range (low or med.)?		[]		
	Was a Serial Dilution sample analyzed with the SDG samples?		[_]		
·	ACTION: If no for any of the above, flat as estimated (J) detects > MDL all the SDG samples for which to ICP Serial Dilution Analysis was not performed.	of the			
A.1.21.2	Was a Field Blank or PE sample for the Serial Dilution Analysi			[_]	
·	ACTION: If yes, flag as estimated (J) d MDL of all the SDG samples	etects			
A.1.21.3	Circle on Form VIII the Percent	Differences			

(%D) between sample results and its dilution results that are outside the control limits \pm 10%

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	when initial concentrations	≥ 50 x MDLs.	YES	NO 1	A\L
	Are results outside the con- limits flagged with an "E"(I on Form VIII and all Form I	Cab Qualifier)	[]		_
	ACTION: If no, write in the Contract Non-Compliance Section of th Review Narrative.				
A.1.21.4	Are any %D values:				
	> 10%?				
	≥ 100%?			[]	
	ACTION: If the Percent Difference (% greater than 10%, flag (J) a all associated samples whose if the %D is > 100%, reject all associated samples with	s estimated raw data \geq MDL; (R) and red-line			
	(NOTE:Replace "E" with "J" or "	R" as appropriate.)	•		
A.1.22	Total/Dissolved or Inorganic	Total Analytes			
A.1.22.1	Were any analyses performed a dissolved as well as total and on the same sample(s)? Were any analyses performed a inorganic as well as total and on the same sample(s)?	nalytes for			
	ACTION: If yes, prepare a Form (Apper to compare the differences be dissolved (or inorganic) and to analyte concentrations. Comput difference on Appendix A.5 as of the total analyte only when the following conditions are (1) The dissolved (or inorganic)	etween cotal ute each a percent on both of fulfilled:			
	is greater than total concen (2) greater than or equal to	tration, and 5xMDL.			
.1.22.2	Is any dissolved (or inorgani concentration greater than it total concentration by more t	s			

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			YES	NO N/A	
A.1.22.3	Is.any dissolved(or concentration greate total concentration	er than its			
	and total concentrat	ooth dissolved/inorganic ions as estimated. If re than 50%, reject (R)			
A.1.23	Field Blank - Form I NOTE: Designate "Field	d Blank" as such on Form I			
4.1.23.1	Was a Field/Rinsate land analyzed with the		[_]		
	If yes, is any Field, absolute value of an greater than its CRQI				
	If yes, circle the Fron Form I that is greater CRQL, (or 2 x MDL when MD	eater than the			
	Is any Field Blank va than CRQL also greate Preparation Blank val	er than the	— .		
	If yes, is the Field (> CRQL and > the pre already rejected due criteria?	p. blank value)	[]		

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result > MDL but < CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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	Prep.Blank value, do not que results due to the Field Bl		YES	NO	N/A
	NOTE: 1. Field Blank result previously due to other criteria cannot he qualify field samples. 2. Do not use Rinsate Blank associate to qualify water samples.	oe used to			
A.1.24	Verification of Instrumenta	<u>l Parameters - For</u>	m IX, XA,	XB, XI	
A.1.24.1	Is verification report pres	ent for:			•
	Method Detection Limits (Fo	rm IX-Annually)?			
	ICP-AES Interelement Correc (Form XA & XB -Quarterly)?	tion Factors			
	ICP-AES & ICP-MS Linear Range (Form XI-Quarterly)?	ges	[]		
	ACTION: If no, contact CLP PO/TOPO submittal from the laborator				
1.1.24.2	Method Detection Limits - For	om IX			
1.1.24.2.1	Are MDLs present on Form IX	for:			•
	All the analytes?		[<u>V</u>]		
	All the instruments used?		[]		
	Digested and undigested samples and Calib.Blanks?		<u>/</u>		
	ICP-AES and ICP-MS when both instruments are used for the same analyte?		[]		_
	ACTION: If no for any of the above, properties and confidence of the post of the laboratory. Report to CLI write in the Contract Problem	tact CLP MDLs from P PO and			

Non-Compliance Section of the Data Review Narrative if the MDL concentration is not

less than ½ CRQL.

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A.1.24.2.	2 Is MDL greater than the CF for any analyte?	:QL	<u>YES</u>	NO N/A
	If yes, is the analyte conc on Form I greater than 5 x the sample analyzed on the whose MDL exceeds CRQL?	MDL for	[]	
·	ACTION: If no, flag as estimated (values less than five time the analyte whose MDL exception)	s MDL for		
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result higher the high linear range for Cor ICP-MS?			
	Was any sample result higher the highest calibration state for mercury or cyanide?			<u></u>
	If yes for any of the above the sample diluted to obtain result reported on Form I?		[]	
	<u>ACTION</u> : If no, flag (J) as estimate affected detects (\geq MDL) re on Form I.			
A.1.25	ICP-MS Tune Analysis - For	m XIV		
	Was the ICP-MS instrument tuned prior to calibration?		[]	
	ACTION: If no, reject (R) and red-l sample data for which tunin performed.			
1	Was the tuning solution ana or scanned at least five time consecutively?		[]	
:	Were all the required isoton spanning the analytical rand present in the tuning solut	ge	[]	
Ţ	Was the mass resolution with	hin		•

USEPA REGION 2 . Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-	Revision 13	Appendix A.1		Sept. 2006
			YES 1	<u>N/A</u>
0.l amu f	for each isotope in the tuning solution?		[]	
	Was %RSD less than 5% f isotope of each analyte tuning solution?		[]	
	ACTION: If no for any of the ab all results > MDL assoc Tune as estimated "J", associated with that Tu	iated with that and all non-detects		
A.1.26	ICP-MS Internal Standar	ds - Form XV		
A.1.26.1	Were the Internal Stands to all the samples and a samples and calibration (except the Tuning Solut	all QC standards	[] .	
	Were all the target anal masses bracketed by the of the five internal sta	masses	(<u>·</u> _) _	
	ACTION: If none of the Internal added to the samples, rered-line all the associat (detects & non-detects). standards were used but the analyte masses, rejeonly the analyte results the internal standard ma	ject (R) and ted sample data If internal did not cover all ct (R) and red-line not bracketed by		
1.26.2	Was the intensity of an Standard in each sample of the intensity of the Standard in the calibrat.	within 60-125% same Internal	[]	
	If no, was the original stands sample re-analyzed?		[]	
	Was the %RI for the two f within the acceptance lim		[]	
	ACTION: If no for any of the abov as "J" and non-detects "U analytes with atomic mas	J" of all the		
	atomic mass of the intern	al standard lighter		

USEPA Region 2 Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-2	Revision .	13	Appendix A.2	S	Sept. 2006
than the	atomic ma	nternal standard, ass of the intern affected interna	al standard heavi	er	
A.1.27	Percent S	olids of Sedimen	<u>ts</u>		
A.1.27.1	Are perce	nt solids in sed	iment(s):		
	< 50%?				[<u>/</u>]
	non-detec	ts of a sample th	ted (J) all detect hat has percent so content greater th	olids	
	that were no	y the sample results ot previously flagge r QC criteria.			
		٠			
_ •					·
Lnorgani	C Data K	<u>eview Narrati</u>	<u>.ve</u>		
Case#		Site:		Matrix: So:	íl
:DG#		Lab:			er
ampling T		Review	ver:	Othe	
ampiring i	eam.	REVIEW		Cile	
The				ed by the dat	a validator and must
J -		This flag indica	ates the result qu	alified as e	estimated
R and	Red-Line -	The red-lined d		contain sign:	icates unusable value. ificant errors based or. by the data user.
บ -			ation qualifier is ciated blank is co		sample results
Fully	Usable Data	- The result <u>usable</u> .	s that do not car	ry "J" or "r	ed-line" are fully
	atory Qual		ntractual qualifie	or on all	

Site:

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-55092-1

Reviewer:

Christina Rink and Josephine Go /Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-029-0-2	480-55092-1	SVOC, Pesticides
CC-C-029-8-10**	480-55092-2	SVOC**, Pesticides**
CC-C-041-0-2	480-55092-3	SVOC, Pesticides
CC-C-041-2-4	480-55092-4	SVOC, Pesticides
CC-C-041-8-10	480-55092-5	SVOC, Pesticides
FB003-GW	480-55092-6	VOC, SVOC
FB026	480-55092-7	SVOC, Pesticides
TB	480-55092-8	VOC
CC-C-029-2-4**	480-55092-9	SVOC**, Pesticides

Associated QC Samples(s):

Field/Trip Blanks:

FB003-GW, TB, FB026

Field Duplicate pair:

None Associated

The above-listed soil and water samples were collected on February 19, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exception listed below.

The SVOC nondetect results for benzaldehyde in samples CC-C-029-8-10** and CC-C-029-2-4** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/25/14	V8201	Hexachlorocyclopentadiene	21.3	CC-C-029-8-10**	XX	UJ nondetects
2/25/14	V8202	Benzaldehyde	90.4	CC-C-029-8-10**	XXX	R nondetects
2/27/14	V8302	Hexachlorocyclopentadiene 4-Nitrophenol	30.0 21.2	CC-C-029-2-4**	XX XX	UJ nondetects UJ nondetects
2/27/14	V8305	Benzaldehyde	91.1	CC-C-029-2-4**	XXX	R nondetects
2/7/14	V7680 (ICV)	Benzaldehyde	117.6	CC-C-029-8-10** CC-C-029-2-4**	SS	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- += Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzaldehyde in samples CC-C-029-8-10** and CC-C-029-2-4** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
2/25/14	5-5198	RTX-CLP I	Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin	33.8 35.2 30.4 22.6 20.6	CC-C-029-8-10**	XX	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was not detected in the trip blank TB for the VOC analyses.

Contamination was detected in the field blank FB003-GW for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB003-GW	Methylene chloride	0.53 ug/L	<2x RL	No associated samples in this SDG

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blanks FB0030-GW and FB026 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB026	Di-n-butylphthalate	0.59 ug/L	<rl< td=""><td>CC-C-029-0-2</td></rl<>	CC-C-029-0-2
				CC-C-029-8-10**
				CC-C-041-0-2
				CC-C-041-2-4
				CC-C-041-8-10
				CC-C-029-2-4**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-041-0-2	Di-n-butylphthalate	180 ug/Kg	190U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167475/1-A	delta-BHC	0.524 ug/Kg	<rl< td=""><td>CC-C-029-0-2</td></rl<>	CC-C-029-0-2
				CC-C-041-0-2
				CC-C-041-2-4
				CC-C-041-8-10
MB 480-167623/1-A	delta-BHC	0.371 ug/Kg	<rl< td=""><td>CC-C-029-8-10**</td></rl<>	CC-C-029-8-10**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-029-0-2	delta-BHC	3.9 ug/Kg	19U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blanks FB026 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples CC-C-029-0-2, CC-C-041-0-2, CC-C-041-2-4, CC-C-041-8-10, and CC-C-029-2-4. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC, SVOC, and Pesticide

MS/MSD analyses were not performed for the VOC, SVOC, and pesticide analyses.

LCS Results

VOC and SVOC

All criteria were met.

<u>Pesticide</u>

The following table lists the compounds recovered outside of control limits in the SVOC analyses and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
LCS/D 4180-167536/2,3-A	2,4-Dinitrophenol	136 (46-134)	139 (46-134)	•	FB026	None

⁻ Within control limits

Validation action was not required for 2,4-Dinitrophenol due to high LCS/LCSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Internal Standards

VOC and SVOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	SVOC Analysis Reported
CC-C-029-0-2 CC-C-041-2-4	5-fold dilution due to nature of sample matrix
CC-C-041-0-2	20-fold dilution for butylbenzylphthalate due to high analyte levels
CC-C-041-8-10	10-fold dilution due to nature of sample matrix

Sample	Pesticide Analysis Reported
CC-C-029-0-2 CC-C-041-0-2	10-fold dilution due to nature of sample matrix
CC-C-041-8-10	
CC-C-041-2-4	100-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

		RPD	
Sample	Compound	(%)	Validation Actions
CC-C-029-8-10**	4,4'-DDE	59.96	J detects
	4,4'-DDT	63.62	J detects
CC-C-029-8-10**	4,4'-DDD	79.01	1.8U ug/Kg

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445B1a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-55092-1 Laboratory: Test America, Inc. Cat A/Cat B

Reviewer:_ 2nd Reviewer:

8260C METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/19/14
II.	GC/MS Instrument performance check	Ň	Not reviewed for Cat A review.
	Initial calibration	N	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	2	Not reviewed for Cat A review.
V.	Blanks	À	
VI.	Surrogate spikes	Ā	
VII.	Matrix spike/Matrix spike duplicates	. 2	CS
VIII.	Laboratory control samples	A	KS
IX.	Regional Quality Assurance and Quality Control	N,	
X.	Internal standards	N	
XI.	Target compound identification	Á	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdets
XIII.	Tentitatively identified compounds (TICs)	7	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	Ą	
XVI.	Field duplicates	N	- Ar-
XVII.	Field blanks	SW	TB = 1 TB = 2

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

★ND = No compounds detected

R = Rinsate FB = Field blank D = Duplicate TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	- VIVIC
Į.	
,	FB003-GW

1	FB003-GW	11	MB 480-167289/7	21		31	
2	ТВ	12		22	_	32	
3		13		23	_	33	
4		14	<u> </u>	24		34	
5		15		25		35	
6		16		26		36_	
7		17		27		37_	
8		18		28		38	
9		19		29		39	
9 10		20		30		40	

LDC #:	31445	B19

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	<u> </u>
Reviewer:	JVG
2nd Reviewer:_	CZ

	<u>rieid bianks</u>	Reviewer: JVG
METHOD: GC/MS VOA (EPA SW 846 Method 8260C)		2nd Reviewer: C
(Y) N N/A Were field blanks identified in this SDG?		
Were target compounds detected in the field blanks?		
Blank units: \(\frac{\infty}{\sigma} \setminus Associated sample units: \(\frac{\infty}{A} \)		
Sampling date: 2 /19 /14		

Field blank type: (circle	one) Field Blank R	Rinsate / Trip Blank / C	other:	Assoc	ciated Samples:_	Vone	<u> </u>	_		
Compound	Blank ID	Sample Identification								
Section 1982 1985										
E	0.53									
				·						

Blank units: Associated sample units:	
Sampling date:	
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:	_ Associated Samples:

Compound	Blank ID	Sample Identification						
	· <u>-</u>						 -	
							 	

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

USEPA Region II Date: August 2008 SW846 Method 8260 VOA SOP: HW-24, Rev. 2 YES NO N/A I. PACKAGE COMPLETENESS AND DELIVERABLES CASE NUMBER/ 506#: 314458/480-55092-1 LAB: Test America Buffalo SITE NAME: Gien Isle 1.0 Data Completeness and Deliverables 1.1 Has all data been submitted in CLP deliverable format or CLP Forms Equivalent? If not, note the effect on review of the data in ACTION: the Data Assessment narrative. 2.0 Cover Letter, SDG Narrative 2.1 Is a laboratory narrative, and/or cover letter signed release present? 2.2 Are case number and SDG number(s) contained in the narrative or cover letter? If not, note the effect on review of the data in ACTION: the Data Assessment narrative. II. VOLATILE ANALYSES 1.0 Traffic Reports and Laboratory Narrative 1.1 Are the Traffic Reports, and/or Chain of Custodies from the field samplers present for all samples sign release present? If no, contact the laboratory/sampling team for replacement ACTION: of missing or illegible copies. 1.2 Is a sampling trip report present (if required)? 1.3 Sample Conditions/Problems

- 6 VOA -

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded?

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with NaHSO₄, the maximum holding time is 14 days from sample collection. If

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action			
			Detected Associated Compounds	Non-Detected Associated Compounds		
Aqueous	No	≤7 days	No qualifications			
	No	≻ 7 days	J	R		
	Yes	≾14 days	No qualifications			
	Yes	≻ 14 days	J	R		
Non Aqueous	No	≾ 14 days	J	R		
	Yes	≤ 14 days	No qualifications			
	Yes/No	≻ 14 days	J	R		

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1		the volatile surrogate recoveries been liste very forms for each of the following matrices	
	a.	Water	<u> </u>
	b.	Soil	П — —
3.2		o, are all the samples listed on the approprivery forms for each matrix:	ate Surrogate
	a.	Water	<u> </u>
	b.	Soil	ц /
- O.T.	011	TE lance comment with delicerables are many	

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

3.3 Were the surrogate recovery limits followed per Table 2. If Table 2 criteria were not followed, the laboratory may use inhouse performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements.

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment	
4-Bromofluorobenzene	80-120	70-130	
Dibromofluoromethane	80-120	70-130	
Toluene-d ₈	80-120	70-130	
Dichloroethane-d₄	80-120	70-130	

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

3.4 Were outliers marked correctly with an asterisk?

ACTION: Circle all outliers with a red pencil.

3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2.

If yes, were samples reanalyzed?

u _ _

Were method blanks reanalyzed?

□ _ /

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

- 1. Flag all positive results as estimated ("J").
- Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
- 3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

- 1. Positive results are qualified with ("J").
- Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample (Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

USEPA Reg SW846 Met		ion II hod 8260B VOA	Date: August 2008 SOP: HW-24, Rev. 2
			YES NO N/A
Note:		LCS consists of an aliquot of a clasimilar to the sample matrix and o volume.	ean (control) matrix f the same weight or
ACTI	ON:	If any <u>Laboratory Control Sample</u> do call the lab for explanation /resultante in the data assessment.	ata are missing, bmittals. Make
4.2	1.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:		
	A.	Water	[4]
	В.	Soil	
	c.	Med Soil	ц
Note	:	The LCS is spiked with the same and concentrations as the matrix spike 9.5). If different make note in damatrix/LCS spiking standards should volatile organic compounds which as compounds being investigating. At spike should include 1,1-dichloroes chlorobenzene, toluene, and benzene	(SW-846 8000C, Section ata assessment. d be prepared from re representative of the a minimum, the matrix thene, trichloroethene,
ACTION:		If any MS/MD, MS/MSD or replicate of missing, take the action specified	in 3.2 above.
4.3	Have Sect	in house LCS recovery limits been (9.7).	developed (Method 8000C,
4.4		n house limits are not developed, a ts between 70 - 130% (Method 8000c	
4.5	house	one or more of the volatile LCS relation loss are not present use 70 - 1	spiked analytes? If in

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YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action		
	Detected Spiked Compounds	Non-Detected Spiked Compounds	
%R > Upper Acceptance Limit	J	No Qualifiers	
%R < Lower Acceptance Limit	J	UJ	
Lower Acceptance Limit ≤ %R	No Qualifications		

5.0 Matrix Spikes(Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III?

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

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YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a.	Water	□
b.	Waste	<u> </u>
c.	Soil/Solid	П — —/

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment.

Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

- 5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix.
- 5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4.

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

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YES NO N/A

NOTE:

No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note:

The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to he MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note:

In those instances where it can be determine that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note:

The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION:

Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action		
	Detected Spiked Compounds	Non-Detected Spiked Compounds	
%R > Upper Acceptance Limit	J	No Qualifiers	
%R < Lower Acceptance Limit	J	UJ	
Lower Acceptance Limit ≤ %R	No Qu	ualifications	

		Date: Aug SOP: HW-2	gust 2008 24, Rev. 2	
			YES NO N/A	
Blank	(CLP Form IV Equivalent)			
6.1	Is the Method Blank Summary form presen	t?	<u> </u>	
	Frequency of Analysis: Has a method bla analyzed for every 20 (or less) samples similar matrix or concentration or each batch?	of	on	
6.3	Has a method blank been analyzed for easystem used ?	ch GC/MS	<u></u>	
ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject ® all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.			ca is cive c, the	
6.4	Chromatography: review the blank raw da chromatograms, quant reports or data sy printouts.			
	Is the chromatographic performance (bas stability) for each instrument acceptable volatile organic compounds?		<u> </u>	
<u>Conta</u>	mination			
NOTE:	"Water blanks", "drill blanks" and are validated like any other sampl qualify the data. Do not confuse the blanks discussed below.	e and are	not used to	
7 1	Do any method/instrument/reagent blanks	e have noe	itiva	

6.0

7.0

these blanks are multiplied by the sample dilution factor

results for target analytes and/or TICs? When applied as described below, the contaminant concentration in

and corrected for percent moisture where necessary.

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YES NO N/A

7.2 Do any field/rinse blanks have positive volatile organic compound results?

ACTION:

Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE:

All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION:

Follow the directions in Table 5 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

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Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL*	≥ CRQL	Use professional judgement
		< CRQL	Report CRQL value with a U
Method, Storage, Field,	> CRQL*	<pre></pre>	Report the concentration for the sample with a U, or qualify the data as unusable R
Trip, Instrument**		≥ CRQL and ≥ blank contamination	Use professional judgement
		< CRQL	Report CRQL value with a U
	= CRQL*	≥ CRQL	Use professional judgement
	Gross contam- ination	Detects	Qualify results as unusable R

- * 2x the CRQL for methylene chloride, 2-butanone, and acetone
- ** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE:

If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

Date: August 2008 USEPA Region II SOP: HW-24, Rev. 2 SW846 Method 8260B VOA YES NO N/A 7.3 Are there field/rinse/equipment blanks associated with every sample? For low level samples, note in data assessment ACTION: that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks. 8.0 GC/MS Apparatus and Materials 8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used. For the analysis of volatiles, the method requires NOTE: the use of 60 m. \times 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2) If the specified column, or equivalent, was not used, ACTION: document the effects in the Data Assessment. professional judgement to determine the acceptability of the data. GC/MS_Instrument Performance Check_(CLP Form_V_Equivalent) 9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed? 9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift? 9.3 Has an instrument performance check solution (BFB)

- 18 VOA -

Date: August 2008 USEPA Region II SOP: HW-24, Rev. 2 SW846 Method 8260B VOA YES NO N/A been analyzed for every twelve hours of sample analysis per instrument? (see Table 4, SW-846, page 8260B-36) List date, time, instrument ID, and sample ACTION: analyses for which no associated GC/MS GC/MS tuning data are available. ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval. If mass assignment is in error, flag all associated sample ACTION: data as unusable, "R". 9.4 Have the ion abundances been normalized to m/z 95? 9.5 Have the ion abundance criteria been met for each instrument used? List all data which do not meet ion abundance ACTION: criteria (attach a separate sheet). If ion abundance criteria are not met, take action as ACTION: specified in section 3.2. 9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.) ___ [] 9.7 Have the appropriate number of significant figures (two) been reported? If large errors exist, take action as specified in ACTION: section 3.2. Are the spectra of the mass calibration compounds acceptable.

data should be accepted, qualified, or rejected.

ACTION:

Use professional judgement to determine whether associated

USEPA Region II Date: August 2008 SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A 10.0 Target Analytes (CLP Form I Equivalent) 10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following: Samples and/or fractions as appropriate b. Matrix spikes and matrix spike duplicates c. Blanks d. Laboratory Control Samples 10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following? Samples and/or fractions as appropriate a. Matrix spikes and matrix spike duplicates b. (Mass spectra not required) Blanks c. d. Laboratory Control Samples ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

Baseline stability?

USEPA Reg SW846 Met	gion II Lhod 8260B VOA	Date: August 2008 SOP: HW-24, Rev. 2
		YES NO N/A
Resc	olution?	<u> </u>
Peak	shape?	П
Fu1]	l-scale graph (attenuation)?	
Othe	er:	
ACTION:	Use professional judgement to dete	ermine the acceptability of
	the lab-generated standard mass speatile compounds present for each sar	
ACTION:	If any mass spectra are missing, to 3.2 above. If the lab does not gen spectra, make a note in the Data A missing, contact the lab for missing.	nerate their own standard Assessment. If spectra are
	the RRT of each reported compound wand ard RRT in the continuing calibrate	
rela	all ions present in the standard mative intensity greater than 10% (or present in the sample mass spectro	f the most abundant ion)
in	the relative intensities of the char the sample agree within ± 30% of the ative intensities in the reference	e corresponding
ACTION:	Use professional judgement to determine acceptability of data. If it is desince to incorrect identifications were made should be rejected ("R"), flagged Presumptive evidence of the present compound) or changed to non detection limit. In order	etermined that de, all such data ("N") - nce of the ted ("U") at the

b.

Blanks

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YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1	If Tentatively Identified Compound were required for this
	project, are all Tentatively Identified Compound reporting forms
	present; and do listed TICs include scan number or retention
	time, estimated concentration and a qualifier? []

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

- 11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:
 - a. Samples and/or fractions as appropriate [] ____
 - ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

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YES NO N/A

[]

11.3	Are	any	priority	pollutants	listed	as	TIC	compounds	(i.e.,	an BNA
	comp	oound	d listed a	as a VOA TI	C)?			T	1	

- ACTION: 1. Flag with "R" any target compound listed as a TIC.
 - 2. Make sure all rejected compounds are properly reported if they are target compounds.
- 11.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂(M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found?

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

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YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

USEPA Reg SW846 Met	est 2008 1, Rev. 2 YES NO N/A		
14.1 Are comp	nt and		
ACTION:	If any calibration forms or s take action specified in sect		a are missing,
ACTION:	If the percent relative stand (8000C-39) qualify positive re When % RSD > 90%,. Qualify all analyte "J" and all non-detection."	sults for that a	analyte "J". lts for that
14.2 Are	all average RRFs > 0.050?		ц/
NOTE:	<pre>(Method Requirement) For SPCC values must be ≥ the values i individual RRF values reporte document in the Data Assessme Chloromethane 1,1-Dichloroethane Bromoform Chlorobenzene 1,1,2,2-Tetrachloroethane</pre>	n the following d are below the	list. If

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration.

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be < 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

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YES NO N/A

1,1-Dichloroethene

Chloroform

1,2-Dichloropropane

Toluene

Ethylbenzene Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and

all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using (RRF or CF?

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in

section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

USEPA Region II Date: August 2008 SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A 15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used. ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R"). 15.3 Was the % D determined from the calibration verification determined using (RRF or CF? If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment. 15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). NOTE: (Method Requirement) For the following CCC compounds, the %D values must be ≤ 20.0%. If %D values reported are > 20.0% document in the Data Assessment. 1.1-Dichloroethene Chloroform 1,2-Dichloropropane Toluene

Ethylbenzene Vinyl chloride

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YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the

outlier compound(s) as estimated, "J". When %D is above 90%,

qualify all positive results for that analyte "J" and all

non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? [] _____

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds is section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 <u>Internal Standards (CLP Form VIII Equivalent)</u>

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)?

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YES NO N/A

ACTION: If errors are large or information is missing, take action

as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

(Attach additional sheets if necessary.)

- ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 - Do not qualify non-detects when the associated IS are counts area > + 100%.
 - 3. If the IS area is below the lower limit (< 50%), qualify all associated non-detects (U-values) "J".
 - 4. If extremely low area counts are reported (< 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".
- 16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

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YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for volatile analysis?

<u>ц</u> _/ __

ACTION: Compare the reported results for field duplicates and

calculate the relative percent difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the Data Assessment. However, if large differences exist, take action

specified in section 3.2 above.

LDC #:_	31445B2a	VALIDATION COMPLETENESS WORKSHEET
000 "	100 55000 4	C-+ A/C-+ D

SDG #: 480-55092-1 Cat Laboratory: Test America, Inc.

Cat A/Cat B

Date: 3/4/4
Page: 1 of 1
Reviewer: 2nd Reviewer: 2

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270c)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/g /14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
111.	Initial calibration	A	Not reviewed for Cat A review. 2, KSD ≤ 20 2
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CW ≤ 202 IW ≤ 30
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	cs
VIII.	Laboratory control samples	A	ics b
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	Á	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL 2 RESULTS ZRL = Jdets /A
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	1)	*
XVII.	Field blanks	SW	FB = 7 , 8

Note:

A = Acceptable

cceptable

N = Not provided/applicable SW = See worksheet **∜** ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	Wate	1 +	50	<u> </u>		
1	CC-C-029-0-2	(5x)	S 11	MB 480-167765/1-A	21	31
2	CC-C-029-8-10	**	12	2 -167424/1-A	22	32
3	CC-C-041-0-2		13	7 1-167347/1A	23	33
4	CC-C-041-0-2DL	(20x)	14		24	34
5	CC-C-041-2-4	(5X)	15		25	35
6	CC-C-041-8-10	<u>(10x)</u>	16		26	36
7 3	FB003-GW		W 17		27	37
8 3	FB026		18		28	38
9 2	CC-C-029-2-4	* *	9 19		29	39
10			20		30	40

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	0000.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31445 B26

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page: _\of _\
Reviewer: _\JVG

2nd Reviewer: \

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

YNN/A

Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <u>≤</u> 20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/25/14	v 8201	Х	21.3		2, MB 480-1672	65/1-A (ND) J/UJ
		V8202	LLLL	90.4			(ND) J/R/
	2/27/14	V830V	X	3ø, 0		9 MB 486-167424/	HA (MD) 5/UT,
		V8305	1111	91-1			5/R
	2/07/14	V7680 (IW)	LLL	17.6 (=	306)	2,9, 4B 480-167265 MB 480-167424	/I-A (ND) J/K/K
							*professional judgemen
		· · · · · · · · · · · · · · · · · · ·					

LDC #:	31	445	B2a
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VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	<u></u> of <u></u>
Reviewer:	JVG
2nd Reviewer:	-

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A

Were field blanks identified in this SDG?

Y N N/A

Were target compounds detected in the field blanks?

Brank units:

Sampling date:

2 14 14

Field blank type: (circle one Field Blank) Rinsate / Other: Associated Samples: All S

Biank type: (enois en				7.0000lated Campico		 	
Compound	Blank ID	Action level		Sa	mple Identification	 	
	8	(KRL)	3				
XX	0,59		180/190U				

Blank units:	Associated sample units:
Sampling date:	

Field blank type: (circle one) Field Blank / Rinsate / Other:

Associated Samples:

Blank ID				Sai	mple Identificat	ion			
		1							
	 		-						
<u></u>				,					
									
									
	Blank ID	Blank ID	Blank ID	Blank ID	Blank ID Sal	Blank ID Sample Identificat	Blank ID Sample Identification Sample Identification	Blank ID Sample Identification	Sample Identification

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #:	31445	329
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VALIDATION FINDINGS WORKSHEET **Surrogate Recovery**

Page:_	of
Reviewer:_	JVG
2nd Reviewer:	08

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y(N)N/A Were percent recoveries (%R) for surrogates within QC limits?

If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Date	Sample ID	Surrogate	%R (Limits)		Qualif	ications
		4 (20x)	TBP	<i>D</i> (39-146)	No guel	(only lost /dil)
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(NBZ) = Nitrobenzene-d5 (FBP) = 2-Fluorobiphenyl (TPH) = Terphenyl-d14

(2FP)= 2-Fluorophenol (TBP) = 2,4,6-Tribromophenol(2CP) = 2-Chlorophenol-d4 (PHL) = Phenol-d5 (DCB) = 1,2-Dichlorobenzene-d4 LDC #: 31495 B 29

VALIDATION FINDINGS WORKSHEET <u>Compound Quantitation and Reported RLs</u>

Reviewer: JVG	Page:		
	Reviewer:	JVG	
2nd Reviewer:	2nd Reviewer:	9	

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

∠Ptease see q	ualifications below	for all question	s answered "N".	Not applicable	questions are	identified as "N	N/A".
---------------	---------------------	------------------	-----------------	----------------	---------------	------------------	-------

Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

	ample ID Compound Finding		Qualifications			
3	Ax A	> cx range	Qualifications J dets A			

Comments:	See sample calculation	verification worksl	neet for recalculation	ons			

LDC#: 31445 \$22

VALIDATION FINDINGS WORKSHEET Overall Assessment of Data

Page: j	_of
Reviewer:	JVG
2nd Reviewer:	-

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

<u>(Y)N N/A</u>

Was the overall quality and usability of the data acceptable?

,					
#	Date	Sample ID	Compound	Finding	Qualifications
		43	AAA	7 cal range.	Not usable
		•		0	1
		4	All except AAA	1-1	
-			All except AAA	di \	<u> </u>
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l				 	
			1		
	ļ				

Comments:			
	-	The state of the s	

LDC #: 31445B2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	1 of 1
Reviewer:	JVG
nd Reviewer:	

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

	,	Calibration			Reported RRF	Recalculated RRF	Reported Average RRF	Recalculated Average RRF	Reported %RSD	Recalculated %RSD
#	Standard ID	Date	Compound (IS)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		
1	ICAL	2/14/2014	Phenol	(IS1)	1.6883	1.6883	1.7723	1.7723	3.5	3.5
	HP5973V		Nitrobenzene	(IS2)	0.3429	0.3429	0.3533	0.3533	3.0	3.0
			2,4,5-TCP	(IS3)	0.4000	0.4000	0.4081	0.4081	5.4	5.4
			Hexachlorobenzene	(IS4)	0.2620	0.2620	0.2723	0.2723	4.5	4.5
			Bis(2-ethex)phthalate	(IS5)	0.5684	0.5684	0.5880	0.5880	2.3	2.3
			Benzo(a)pyrene	(IS6)	0.9996	0.9996	1.0281	1.0281	4.2	4.2

LDC # 31445b2a

VALIDATION FINDINGS WORSHEET <u>Continuing Calibration Results Verification</u>

Page _	<u>1</u> of <u>1</u>
Reviewer:	JVG
2nd Reviewer:	\mathcal{O}

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)		Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
1	V8201	02/25/14	Phenol	(IS1)	1.7723	1.6559	1.6559	6.6	6.6
			Nitrobenzene	(IS2)	0.3533	0.3461	0.3461	2.0	2.0
			2,4,5-TCP	(IS3)	0.4081	0.4089	0.4089	0.2	0.2
			Hexachlorobenzene	(IS4)	0.2723	0.2765	0.2765	1.5	1.5
			Bis(2-ethex)phthalate	(IS5)	0.5880	0.5846	0.5846	0.6	0.6
			Benzo(a)pyrene	(IS6)	1.0281	1.0332	1.0332	0.5	0.5
2	V8302	02/27/14	Phenol	(IS1)	1.7723	1.8691	1.8691	5.5	5.5
i			Nitrobenzene	(IS2)	0.3533	0.3879	0.3879	9.8	9.8
			2,4,5-TCP	(IS3)	0.4081	0.4581	0.4581	12.3	12.3
			Hexachlorobenzene	(IS4)	0.2723	0.3024	0.3024	11.0	11.0
			Bis(2-ethex)phthalate	(IS5)	0.5880	0.6330	0.6330	7.7	7.7
			Benzo(a)pyrene	(IS6)	1.0281	1.1242	1.1242	9.3	9.3

LDC #: 31445 B2a

VALIDATION FINDINGS WORKSHEET <u>Surrogate Results Verification</u>

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer:	CA /
	$-\omega$

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: #

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	39.7	79	79	0
2-Fluorobiphenyl		41.0	82	82	
Terphenyl-d14		42.1	84	84	
Phenol-d5		40.6	81	8)	
2-Fluorophenol		40.2	80	80	
2,4,6-Tribromophenol	¥	46.7	92	9~	γ
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 \$29

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page:	<u>1_</u> of_1_
Reviewer:	JVG
2nd Reviewer:	a

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration

SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 1CS 480-167265/2-A

	Sp			Spike		LCS		SD	L CS/LCSD	
Compound	Add (UG)		Concer (VV)	ntration kgj	Percent I	Recovery	Percent Recovery		RPD	
CONTRACTOR STATES	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3270	M	3479	VA	2475	75				
N-Nitroso-di-n-propylamine			2620		80	80				
4-Chloro-3-methylphenol			2980		91	9)				
Acenaphthene			2770		85	کھ				
Pentachlorophenol	6530		5440		83	83				
Pyrene	3270	·	2810	/	86	86				
									•	
		,								

Comments:	Refer to Laboratory	Control Sample/Lat	poratory Control	Sample Duplicates	findings worksheet	t for list of qualification	ations and assoc	ciated samples when
reported resi	ults do not agree witl	hin 10.0% of the reca	alculated results.		*			-
								

LDC#: 31445 BZa

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:_	<u>1</u> of_1_
Reviewer:	JVG_
2nd reviewer:	α

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Factor of 2 to account for GPC cleanup

/	\widehat{Y}	N	N/A
ĺ	Y	N	N/A
- 7	7		

2.0

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Conce	entratio	on = $(A_{\nu})(I_{\nu})(V_{\nu})(DF)(2.0)$ $(A_{\nu})(RRF)(V_{\nu})(V_{\nu})(\%S)$	Example:
A _x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sample I.D. 9 Benzo (a) pyrane
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard	
l _s	=	Amount of internal standard added in nanograms (ng)	Conc. = (95846)(46)(1ml)(600)() (74890)(1.6281)(70.88)(6.783)()
V _o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).	'
V _I	=	Volume of extract injected in microliters (uI)	= 717.7
V_t	=	Volume of the concentrated extract in microliters (ul)	v 720 (
Df	=	Dilution Factor.	~ 720 ug kg
%S	=	Percent solids, applicable to soil and solid matrices only.	V

#	Sample ID	Compound	Reported Concentration (Mg/kg)	Calculated Concentration ()	Qualification
			720		
	-		1-0		

1	USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4						
			YES NO N/A				
E	-	The concentration of this analyte exceeds the of the instrument.	e calibration range				
A	-	Indicates a Tentatively Identified Compound adol-condensation product.	(TIC) is a suspected				
х, у,	X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.						
ı.		PACKAGE COMPLETENESS AND DELIVERABLE					
CASE	CASE NUMBER: SOG#: 314458 /480-55092-1 LAB: Test Ameria Buffalo SITE NAME: Glen Island						
SITE	NAME	Glen Island					
1.0	<u>Data</u>	Completeness and Deliverables					
	1.1	Has all data been submitted in CLP deliverab format?	le				
	ACTIO	ON: If not, note the effect on review of the in the data assessment narrative.	e data				
2.0	Cove	r <u>Letter, SDG Narrative</u>					
	2.1	Is a laboratory narrative or cover letter present?	т х				
	2.2	Are case number and SDG number(s) contained in the narrative or cover letter?	LX				

	A Regi 6 Meth			Date: Au SOP HW-2	-	
				YES	NO	N/A
II.			SEMIVOLATILE ANALYSES			
1.0	Traf	fic R	eports and Laboratory Narrative			
	1.1 sampl		the Traffic Report Forms present for all	12	, 	
	ACTIO	: NC	If no, contact lab for replacement of mi or illegible copies.	ssing		
	1.2	any j	he Traffic Reports or Lab Narrative indic problems with sample receipt, condition o les, analytical problems or special notat cting the quality of the data?	f	. ry	
	ACTIO	ON:	If any sample analyzed as a soil, other TCLP, contains 50%-90% water, all data s be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more t 90% water, all non-detects data are qual as unusable (R), and detects are flagged	hould han ified		
	ACTIO	ON:	If samples were not iced, or if the ice melted upon arrival at the laboratory an cooler temperature was elevated (10°C), all positive results "J" and all non-det "UJ".	d the flag		
2.0	<u>Holdi</u>	ing T	<u>imes</u>			
	2.1	dete	any semivolatile technical holding times rmined from date of collection to date of action, been exceeded?	-	_ ୮	/
		semi days samp	inuous extraction of water samples for volatile analysis must be started within of the date of collection. Soil/sedimenles must be extracted within 14 days of ection. Extracts must be analyzed within	t		

- 7 -

USEPA	Region	II			
SW846	Method	8270D	(Rev.4,	January	1998)

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

Sample	Sample	Date	Date Lab	See Traffic Re	Date
ID	Matrix	Sampled	Received	Extracted	Analyzed
	•				
					·····
					-

ACTION:

If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

							e: Augu HW-22				
		/							YES	NO	N/A
3.0		Surr	ogate F	Recovery	y (Form	II/Equiva	alent)				
	3.1	list	ed on C	CLP Suri	rogate R		recoveries k forms (Form s:		,		
		a.	Low Wa	ater					17		
		b.	Low/Me	ed Soil					1		
	3.2	appro		Surrog		es listed covery Sur	on the mmary forms				
		a.	Low Wa	ater					14		
		b.	Low/Me	ed Soil					1		
	ACTIO	: NC	the ef	ffect(s) the laken the da) in dat o may ha	ta assessi ave to be	ailable, doo ments. In s contacted to complete th	some co	nt '		
	3.3	Were	outlie	ers marl	ked corr	rectly wit	th an aster	isk?	1/1		
		ACTIO	ON: C	Circle a	all outl	liers in :	red.				
3.4		recovered recovered from	veries od blar very li USEPA	out of nk (Revi imits. (Nationa	specifi iewer sh Use surr al Funct	cation for nould use cogate rectional Gu	acid surrogant any sampa lab in house covery limiticalines Jana not availab	le o se ts uary			/
•						0000C-24)					
		Note	: E	Examine	lab in	house lin	mits for re	ason	ablene	ss.	
		If ye	es, wer	re sampi	les re-a	analyzed?					4

USEPA Region I SW846 Method 8	I 270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
Were	method blanks re-analyzed?	П — —
ACTION:	If all surrogate recoveries are > 10% be within the base-neutral or acid fraction not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):	n do
	 Flag all positive results as estimated ("J"). 	ated
	 Flag all non-detects as estimated of ("UJ") when recoveries are less that acceptance limit. 	
	3. If recoveries are greater than the acceptance limit, do not qualify no	
	If any base-neutral \underline{or} acid surrogate have recovery of < 10%:	as a
	 Positive results for the fraction surrogate recovery are qualified w. 	
	2. Non-detects for that fraction show qualified as unusable (R) .	ld be
NOTE:	Professional judgement should be used to qualify data that have method blank sur- recoveries out of specification in both original and reanalyses. Check the inte standard areas.	rogate
	there any transcription/calculation erro een raw data and Form II?	rs

explanation/resubmittal, make any necessary corrections and document

ACTION:

If large errors exist, call lab for

USEF	A Reg	ion I	I	Date: August, 2008				
	6 Met		SOP HW-22 Rev.4					
				YES NO N/A				
			effect in data assessments.					
4.0	<u>Matr</u>	ix Sp	oikes (Form III/Equivalent)					
	4.1	Matr Samp	e the semivolatile Matrix Spike rix Spike Duplicate/or duplicate ole recoveries been listed on overy Form (Form III)?	te unspiked				
	NOTE:		Method 3500B/page 4 states the spiking compounds:					
			Acids ,2,4-Trichlorobenzene Pentachlorophenol cenaphthene Phenol ,4-Dinitrotoluene 2-Chlorophenol yrene 4-Chloro-3-methylphenol -Nitroso-di-n-propylamine 4-Nitrophenol ,4-Dichlorobenzene					
	Note:		Some projects may require th of interest.	e spiking of specific compounds				
	Note:		See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a martix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.					
			e matrix spikes analyzed at th quency for each of the followi	-				
		a.	Low Water	п — ∠				
		b.	Low Solid					
		c.	Med Solid	Ц — —				

USEPA Region SW846 Method	II 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
ACTION:	If any matrix spike data are missing, the action specified in 3.2 above. It necessary to contact the lab to obtain required data.	may be
NOTE:	If the data has not been reported on C equivalent form, then the laboratory merovide the information necessary to extreme the spike recoveries in the MS and MSE required data which should have been pushed to the lab include the analytes and concentrations used for spiking, backgroncentrations of the spiked analytes concentrations in unspiked sample), meand equations used to calculate the QC acceptance criteria for the spiked analytes.	nust evaluate D. The provided ground (i.e., ethods
	The data reviewer must verify that all reported equations and percent recover correct before proceeding to the next section.	
eq fo	re matrix spikes performed at concentrational to 100ug/L for acid compounds, and 20 or base compounds (Method 3500B-4), or the ecified in project plan.	00ug/1

Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not

4.4 How many semivolatile spike recoveries are outside

available).

	A Reg 6 Met			January 1998		Date: SOP HW	-	-	
						}	ΈS	NO	N/A
	4.5			-	ce and matrix spide QC limits?	pike			
		Wate	<u>r</u>		Solids				
			out of		out o	VA of			
	ACTIO	ON:	Circle all	outliers with	red pencil.				
	ACTIO	ON:	However, us judgement, matrix spike results in	ing informed paths data review and matrix some conjunction with the the need for	MSD data <u>alone</u> professional ewer may use the spike duplicate the other QC critical some qualificate	e iteria			
	4.6		a Laboratory ytical batch		le (LCS) analyze	ed with	n ead	eh —	
	NOTE	:	<pre>indicate a matrix itse verify that</pre>	potential prob lf, the LCS re	natrix spike and olem due to the esults are used by can perform to take.	sample to	e		
5.0	Blanks (Form IV/Equivalent)								
	5.1	Is t	he Method Bl	ank Summary (Form IV) presen	t? ¸			
	5.2	Freq	uency of Ana	lysis:					
		repo	rted per 20 entration le	_	alysis been milar matrix, o each extraction		□ ,⁄	/	

5.3 Has a method blank been analyzed either after

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

the calibration standard or at any other time during the analytical shift for each GC/MS system used ?

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are <u>not</u> used to qualify the data. Do not confuse them with the other QC blanks discussed below.

- 6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.
- 6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?

_ _ _

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Prepare a list of the samples associated

with each of the contaminated blanks.

(Attach a separate sheet.)

NOTE: All field blank results associated to a

particular group of samples (may exceed one

per case) must be used to qualify data. Blanks may not be qualified because of

contamination in another blank. Field Blanks must be qualified for outlying surrogates,

poor spectra, instrument performance or

calibration QC problems.

ACTION: Follow the directions in the table below to

qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all

data in the associated samples should be

qualified as unusable (R).

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
Method, Field		≥ CRQL	No qualification required
		< CRQL	Report CRQL value with a U
	> CRQL *	<pre></pre>	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample?

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	_	on II nod 8270D (Rev.4, January 1998)		: Augu HW-22		
				YES	ИО	N/A
		that exceeded the initial calibration range.		1_1		
	6.5	Does the instrument blank have positive result for target analytes and/or TICs?	lts			_
	Note:	Use professional judgement to determine if carryover occurred and qualify analytaccordingly.	tes			
7.0	GC/MS	S Apparatus and Materials				
	7.1	Did the lab use the proper gas chromatographs column for analysis of semivolatiles by Methologous Check raw data, instrument logs or column the lab to determine what type of column was The method requires the use of 30 m x 0.25 mm (or 0.32 mm ID), silicone-coated, fused silicone-lapillary column.	od ontac used m ID			
	ACTIO	ON: If the specified column, or equivalent, not used, document the effects in the dassessment. Use professional judgement determine the acceptability of the data	ata to			
8.0	GC/MS	S Instrument Performance Check (Form V/Equiva	<u>lent)</u>	-		
	8.1	Are the GC/MS Instrument Performance Check Form V) present for decafluorotriphenylphosy (DFTPP)?		· 14		
		The performance solution should also contains achlorophenol, and benzidine to verify injection port inertness and column performation the degradation of DDT to DDE and DDD must less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (baupon lab experience) and show no peak degrador tailing before samples are analyzed. (see	nce. be sed ation	i.	.5	

USEPA R SW846 M			1, January 1998		Date: August, 2008 SOP HW-22 Rev.4
					YES NO N/A
	page	8270D-12)			
8.	mass	/charge (m,	ed bar graph spe /z) listing for ach twelve hour	the DFTPP	LX
8.	been		ent performance For every twelvenstrument?		
AC	TION:	analyses	time, instrument time, time, to the time, the	sociated GC/MS	nple
DA	TE	TIME	INSTRUMENT	SAMPLE NUM	BERS

AC	TION:	("R") all	nnot provide mi data generated ur calibration	outside an ac	
AC	TION: I				
8.	4 Have		oundances been	normalized to	<u> </u>
8.		the ion al	oundance criter t used?	ia been met fo	r
AC	TION:		data which do n (attach a separ		undance

	_	ion I hod 8	I 270D (Rev.4, January 1998)		: Augu HW-22		
					YES	NO	N/A
	ACTI	ON:	If ion abundance criteria are not met, action specified in section 3.2	take			
	8.6	betw	there any transcription/calculation erro een mass lists and Form Vs? (Check at le values but if errors are found, check mo	ast	_	14	
	8.7		the appropriate number of significant res (two) been reported?		1/		
	ACTI	on:	If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.				
	8.8		the spectra of the mass calibration comp ptable?	ound	1/		
	ACTI	ON:	Use professional judgement to determine whether associated data should be acceptualified, or rejected.				
9.0	Tarq	et An	<u>alytes</u>				
	9.1	pres	the Organic Analysis Data Sheets (Form I ent with required header information on , for each of the following:				
		a.	Samples and/or fractions as appropriate		\overline{IV}		
		b.	Matrix spikes and matrix spike duplicat	es			
		c.	Blanks		LX		
	9.2	perf	any special cleanup, such as GPC, been ormed on all soil/sediment sample extrac section 7.2, page 8270D-14)?	ts			

-	ion II nod 82	I 270D (Rev.4, January 1998)		: Aug HW-22		
				YES	NO	N/A
ACTIO	ON:	If data suggests that extract cleanup was performed, use professional judgement. note in the data assessment narrative.				
9.3	spect syste	the Reconstructed Ion Chromatograms, mass tra for the identified compounds, and the em printouts (Quant Reports) included in le package for each of the following?	dat	a		
	a.	Samples and/or fractions as appropriate				
	b.	Matrix spikes and matrix spike duplicate (Mass spectra not required)	es			- /
	c.	Blanks		171	- 	
ACTIO	: NC	If any data are missing, take action specified in 3.2 above.				
9.4	Are t	the response factors shown in the Quant rt?			_	,
9.5		nromatographic performance acceptable wit	th			
	Base	line stability?		17		
	Reso	lution?		\square		
	Peak	shape?				
	Full-	-scale graph (attenuation)?				
	Other	r:		11		
ACTIO	: NC	Use professional judgement to determine acceptability of the data.	the			
9.6	Are t	the lab-generated standard mass spectra o	of			

identified semivolatile compounds present for

USEPA SW846	_			(Rev.4,	Janua	ry 199	8)			: Augı HW-22		
1,4F-4	 									YES	МО	N/A
		each	samp	ole?						17		
	ACTIO	ON:	spec gene note	ified i rate the in the tra are	n 3.2 a eir own data a	above. n stan assess	If the dard sp ment na	ng, take a lab does pectra, ma arrative.	not ke a If			
	9.7	RRT		of the	_		_	nd within ne continu		17		
	9.8	at a most	rela	tive in	tensit	y grea	ter tha	rd mass sp an 10% (of the sampl	the			
	9.9	ions corr	in t espon		ole agre elative	ee wit	hin ± 3	character 30% of the in the		T-X		
	ACTIO	ON:	acce that such (Pre comp the be p	eptabili incorr data s sumptive ound) c calcula	ty of one of the court of the c	data. entifi be rej ence o ged to tectio	If it is cations ected of the protection not denoted in limited, the	determine is determine were mad (R), flaggoresence of tected (Ut. In order data musted in 9.7,	ned e, al ed "N f the) at r to			

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

USEPA Region II SW846 Method 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
	YES NO N/A
10.0 Tentatively Identified Compounds (TIC)	
10.1 If Tentatively Identified Compounds were for this project, are all Form Is, Part B and do listed TICs include scan number or time, estimated concentration and "JN" qu	present; retention
NOTE: Review sampling reports to determine lab was required to identify non tar (refer to section 7.6.2,page 8270D-2	get analytes
10.2 Are the mass spectra for the tentatively identified compounds and associated "best spectra included in the sample package fo of the following:	•
a. Samples and/or fractions as appropri	
b. Blanks	□ _ ∠
ACTION: If any TIC data are missing, take ac specified in 3.2 above.	
ACTION: Add "JN" qualifier only to analytes identified by CAS #.	
10.3 Are any target compounds from one fraction as TIC compounds in another (e.g., an acicompound listed as a base neutral TIC)?	
ACTION: i. Flag with "R" any target compou as a TIC.	and listed
<pre>ii. Make sure all rejected compound properly reported in the other</pre>	
10.4 Are all ions present in the reference mas spectrum with a relative intensity greate 10% (of the most abundant ion) also prese	r than

USEPA Region II SW846 Method 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
	YES NO N/A
sample mass spectrum?	п _ ∠
<pre>10.5 Do TIC and "best match" standard relative ior intensities agree within ± 20%?</pre>	л — <u></u>
ACTION: Use professional judgement to determine acceptability of TIC identifications. It is determined that an incorrect identification was made, change the identification to "unknown" or to some specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is found in any blank, but is a suspected artifact of a common laboratory contaminate the result should be qualified as unusable."	f it less d not
11.0 Compound Quantitation and Reported Detection Limit	<u>its</u>
11.1 Are there any transcription/calculation error Form I results? Check at least two positive verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?	values.
NOTE: Structural isomers with similar mass specific but insufficient GC resolution (i.e. pervalley between the two peaks > 25%) show reported as isomeric pairs. The reviews should check the raw data to ensure that such isomers were included in the quantitation (i.e., add the areas of the coeluting peaks to calculate the total concentration).	rcent uld be er t all
11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sam moisture?	ple

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect in data

assessments.

ACTION: When a sample is analyzed at more than one

dilution, the lowest detection limits are used (unless a QC exceedance dictates the use

of the higher detection limit from the

diluted sample data). Replace concentrations

that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from

(if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red " X" across the entire page of all Form I's

that should not be used, including any in the

summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/ Equivalent) present and complete for the semivolatile fraction?

1.4 _ _

ACTION: If any calibration forms or standard row data

are missing, take action specified in 3.2

above.

13.2 Are all base neutral or acid RRFs > 0.050?

14 _ _

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Check the average RRFs of the four System
Performance Check Compounds (SPCCs):
N-nitroso-di-n-propylamine, hexachlorocyclopentadiene,
2,4-dinitrophenol, and 4-nitrophenol. These
compounds must have average RRFs greater than or
equal to 0.05 before running samples and should not
show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with average RRF < 0.05

- "R" all non-detects;
- 2. "J" all positive results.
- 13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

14

NOTE:

The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction				
Acenaphthene	4 Chlana 2 math 1 h				
-	4-Chloro-3-methylphenol				
1,4-Dichlorobenzene	2,4-Dichlorophenol				
Hexachlorobutadiene	2-Nitrophenol				
Diphenylamine	Phenol				
Di-n-octyl phthalate	Pentachlorophenol				
Fluoranthene	2,4,6-Trichlorophenol				

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective

action taken, then "J" qualify all positive

hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is \geq 20.0%, qualify positive

results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to

blank contamination are still considered as "hits" when qualifying for calibration

criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

by the least squares regression fit?

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

__ 1\[\]

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

□ ∠ _

USEPA Region I SW846 Method 8	I 270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4			
		YES NO N/A			
perc	he pesticide compounds include DDT, wa ent breakdown of DDT to DDD and DDE gr 20%?				
ACTION:	If DDT percent breakdown exceeds 20%:	•			
	i. Qualify all positive results for with "J". If DDT was not detect DDD and DDE results are positive qualify the quantitation limit f as unusable, "R".	ed, but e,			
	ii. Qualify all positive results for DDE as presumptively present at approximate concentration "JN".				
14.0 GC/MS Ca	libration Verification (Form VII/Equiv	valent)			
pres	the Calibration Verification Forms (Forms and complete for all compounds of rest?	orm VII)			
anal	14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysi per instrument?				
ACTION:	List below all sample analyses that weithin twelve hours of a calibration verification analysis for each instrused.				
ACTION:	If any forms are missing or no calibration standard has been analyze within twelve hours of every sample a	zed			

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF <0.05?

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05?

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).

	A Region I 6 Method 8		.4, January 199	98)		e: Augu HW-22	•	
						YES	NO	N/A
	ACTION:	Circle e	rrors in red.					
	ACTION:	explanat correcti		all lab for l, make any neces nt effect(s) in t	-			
15.0	Internal	Standard	s (Form VIII)					
	ever limi	y sample	and blank with:	reas (Form VIII) in the upper and each continuing				
	ACTION:	List eac	h outlying into	ernal standard be	low.			
Sampl	le ID	IS #	Area	LowerLimit		Uppe	r Lim	nit
·			-			-		
		•						

		(Attac	ch additional s	heets if necessa	ry.)			
	Note:	Check Ta	ble 5, 8270D-4	1 for associated	anal	ytes.		
	ACTION:	out wit non	side the upper h "J" all posi	tandard area cour or lower limit, tive results and lues) quantitated ndard.	flag	נ		
		ii Mon	-detocts assoc	iated with IS > 1	008			

should not be qualified.

USEPA Regi	on II od 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
	iii. If the IS area is below the lower (<50%), qualify all associated non detects (U-values) "J". If extreme area counts are reported (<25%) or performance exhibits a major abrup off, flag all associated non-detections.	- ely low fif ot drop
	Are the retention times of all internal stan within 30 seconds of the associated calibrat standard?	· · · · · · · · · · · · · · · · · · ·
ACTIO:	N: Professional judgement should be used t qualify data if the retention times dif more than 30 seconds.	
16.0 <u>Labor</u>	atory Control Samples (LCS)	
	Were any LCS samples run in order to verify analytes which failed criteria for spike recovery?	14
	Did the lab spike LCS sample spiked with the same analytes and the same concentrations as matrix spike?	
	Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in Table 6, 8270D=43? Isb limits?	
ACTIO	N: If the recovery of any analyte falls ou	it of

the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis?

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Compare the reported results for field

duplicates and calculate the relative percent

difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the

sampler.

VALIDATION COMPLETENESS WORKSHEET LDC #: 31445B3a

SDG #:_ 480-55092-1 Laboratory: Test America, Inc. Cat A/Cat B

Reviewer: 2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Technical holding times	A	Sampling dates: 2 /4 /14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	Sul	Not reviewed for Cat A review. Cal £ 20 b la £ 20 b
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	cs
VIII.	Laboratory control samples	SXX	LCS /D
IX.	Regional quality assurance and quality control	N	
Χ.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL = Result = RL = J dets
XIV.	Overall assessment of data	A	
XV.	Field duplicates	N	
XVI.	Field blanks	1/12	FB = 6

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected

R = Rinsate FB = Field blank D = Duplicate

TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

RYC	110 20:1	<u>+ '</u>	N Me.	(1)			
1 2	CC-C-029-0-2	(TOX)	11 1	MB 486-167258 /-A	21	31	
2 1	CC-C-029-8-10	*	† 12 Y	-167475/1	22	32	
3 2	CC-C-041-0-2	(lox)	13 7		۶ 23	33	
4 2	CC-C-041-2-4	(100x)	14 4	- 167536/	∦ 24	34	
5	CC-C-041-8-10	(10x)	15		25	35	
- 4	FB026	W	16	······	26	36	
7 >	CC-C-029-2-4		17		27	37	
8			18		28	38	
9			19		29	39	
10			20		30	40	

Notes:	1.	Dil due	to mat	nx			
	*	Same	batches	anduzed	m	31445 1239	
	,.			,		7.1	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	ma-BHC L. Endosulfan II T. gamma-Chlordane		BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:		·

LDC #: 31445 B36

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page:_	<u></u> of <u></u>
Reviewer:_	JVG
2nd Reviewer:	a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

<u>₩N N/A</u> Were Evaluation mix standards run before initial calibration and before samples?

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<15.0% for individual breakdowns)?

Was at least one standard run daily to verify the working curve?

Y N N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <20.0%?

Level IV/D Only

YN N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#_	Date	Standard ID	Column	Compound	%D (Limit ≤ 20.0)	RT (Limi	ts)	Associated Samples	Qualific	cations
	2/25/14	5-5198	RTX-CUPI	ŧ	33.8	()	2 MB 481-167258/1-A	(No)	J/W /A
			1 /	F	35.7 30 4 ⁽⁵⁾	()			
				Ģ	,	()			
				#	25,6(5)	()			
<u> </u>				I	20.6	()	<u> </u>	V	
<u> </u>						()			•
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B. be C. de	oha-BHC ta-BHC elta-BHC emma-BHC	E. Heptachlor F. Aldrin G. Heptachlor epoxide H. Endosulfan I	I. Dieldrin J. 4,4'-DDE K. Endrin L. Endosulfan	M. 4,4'-DDD N. Endosulfar O. 4,4'-DDT II P. Methoxych	n sulfate R. En S. alp	drin ketone drin aldehyde ha-Chlordane nma-Chlordane	U. Toxaphe V. Aroclor-1 W. Aroclor- X. Aroclor-1	1016 Z. Aroclor-1248 I 1221 AA. Aroclor-1254 I	CC. DB 608 DD. DB 1701 EE. Hexachlobenzene FF.	GG HH II JJ.

LDC	#:	31	445	B34

VALIDATION FINDINGS WORKSHEET Blanks

Page:_	of
Reviewer:	JV6
2nd Reviewer:_	Q
	- Lance

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y N N/A Was a met Y/N N/A If extract cl Y N N/A Was there	elow for all questice amples associated hod blank perform lean-up was perfo contamination in the Blank analysis	l with a method ned for each m rmed, were ex the method bla	d blank? atrix and whe tract clean-up inks? If ves. r	enever a samp blanks analy blease see the	ole extraction zed at the pr	was performoper frequences below.			
Compound	Blank ID				San	nple Identificati	on		
	MB 486-1674	75/1-A lend	1						
c	0.524	_ CRL	3.9/19U						-
					·			 	
Blank extraction date: 2/26/14	Blank analysis date:	2/26/14		Associated sa	imples:				
Compound	Blank ID				San	nple Identificati	on		
	MB 450-16762	3/1-A							
C	0.371								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT: All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET <u>Surrogate Spikes</u>

Page:_	<u></u> of
Reviewer:_	JVG
2nd Reviewer:	<u> </u>

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Were surrogates spiked into all samples, standards and blanks?

N/N N/A

Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Surrogate Column Compound		%R (Limits)	Qualifications
		RTX-CUPY	A	0 (32-136)	No prod (di)
	3		В	0 (30-124)	
	4			(
	5			()	
	7			()	
	(10X - 108X)			()	
				()	
				()	
				()	
<u></u>				()	
				()	
				()	
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				()	
				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
Α	Tetrachloro-m-xylene			
В	Decachlorobiphenyl			

LDC #: 31 445 B35

VALIDATION FINDINGS WORKSHEET <u>Laboratory Control Samples</u>

Page:	_of <i>/</i>
Reviewer:_	W
2nd Reviewer:_	Ó

_METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?

Y(N)N/A Were the LCS percent recoveries (%R) and relative percent differences (RPD) within the QC limits?

Level IV/D Only

Was a LCS analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	US/D 480-1675 36/2,3-1	+ R	136 (46-134)	139 (46-134)	()	6, MB 480-1675	6/1-A (10) Jde
			()	()	()	,	
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	-		()	()	()		
			()	()	()		
			()	()	()		

LDC #: 31445 \$ 39

VALIDATION FINDINGS WORKSHEET <u>Compound Quantitation and Reported CRQLs</u>

Page:	\of/_
Reviewer:	_JVG
2nd Reviewer:	-CA-

METHOD:	/GC	HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". **Level IV/D Only**

N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Y (N)N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results? Did the percent difference of detected compounds between two columns./detectors <40%?

If no, please see findings bellow.

	it no, plea	ase see findings bellow.		
#	Compound Name	Sample ID		Qualifications
	J	2	59. 96	J dets /A
	M		79.01	J dets /A 1.84 ng /kg J dets /A
	0	J	63.62	J dets A
		· W		
<u> </u>				
<u> </u>				
<u> </u>				
				
				-
ļ				

Comments:	: See sample calculation verification worksheet for recalculations	

LDC#: 31445B3a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	384391	0.0050
			_2	769175	0.0100
	RTX-CLP1		3	4238163	0.0500
			4	8648475	0.1000
			5	13126505	0.1500
1/31/2014	HP6890-5	4,4'-DDT	1	489709	0.0050
			2	918323	0.0100
	RTX-CLP1		3	4936564	0.0500
			4	9844810	0.1000
			5	14716256	0.1500

		g-BH	IC	DI	T
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

LDC#: 31445B3a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page	: 2 of 2
Reviewer:	JVG
2nd Reviewer:	01

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	437610	0.0050
			2	877732	0.0100
	RTX-CLP2		3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
	RTX-CLP2		3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

		g-BH	С	DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000653	-66105.213	0.001754	-75318.281
Std Err of Y Est					
R Squared	r^2 =	0.999967	1.000000	0.999837	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
Std Err of Coef.					
Correlation Coefficient		0.999984		0.999918	
COD r2		0.999967		0.999837	

LDC#: <u>31445B3a</u>

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration Calculation Verification</u>

Page:_	1_of_1_
Reviewer:	JVG
2nd Reviewer:	01

METHOD: GC_	_HPLC	

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Where:

Percent difference (%D) = 100 * (N - C)/N

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compo	und	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	5_5198	2/25/2014	g-BHC	CLP1	0.0500	0.0580	0.0580	16.0	15.9
			4,4'-DDT	CLP1	0.0500	0.0457	0.0457	8.6	8.6
			g-BHC	CLP2	0.0500	0.0508	0.0508	1.6	1.6
			4,4'-DDT	CLP2	0.0500	0.0464	0.0464	7.2	7.2

LDC #: 31495 B 39

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer:	a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

エムム	percent recoveries	/0/ D'		en reneleuleted	far tha		identified	halam maia	- 4h- falla:	aa aalaulatiaa
1116	Dercem recovenes	17/015	i ni simooales we	e recalcinateo	TOT THE	comoonnas	nenineo	OBIOW USIN	o me ronowi	no calcination

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID:_____2__

Surrogate	Column	Surrogate Spiked			Percent Recovery	Percent Difference	
				Reported	Recalculated		
Tetrachloro-m-xylene							
Tetrachloro-m-xylene	RTX-CIPS	0.02	0.0187	93	93	9	
Decachlorobiphenyl	L		0.029	109	109	1	
Decachlorobiphenyl					1		

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
		****		Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:_

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:	 	 ~ 	

LDC #: 31445 B36

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Page:_1	of_1_
Reviewer:	JVG
nd Reviewer.	CI

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples:_

US 480- 167475/2-A

	S	pike	Spiked	Spiked Sample Concentration		.cs	L	CSD	LCS	J/LCSD
Compound	(46)	dded (KC)	Concentration (Ug Æd		(US) Percent Recovery		Percent Recovery		RPD	
146 <u>- 246 - 48</u> 16	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.4	λA	110	VA	67	67				
4,4'-DDT			12.4		74	76				
Aroclor 1260										
				-						

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported
results do not agree within 10.0% of the recalculated results.

LDC #: 31445 B31

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	<u>1</u> of 1
Reviewer:	JVG
2nd reviewer:	(1/

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Conce	entration = (A) (Fv) ([Of)	Exam	ole:	ć	2P2 - HP	<u> </u>
A = A Fv = F Df = E RF = 7 Vs = I Ws =	(RF) (Vs or Wi rea of compound Final Volume of extract Dilution Factor Average Response Factor of nitial Volume of sample Initial Weight of sample Percent Solid	s) (%S/100)	$X = \frac{y - b}{m}$ XConc.	$= \frac{(266652) - (}{(44762)}$ 0.00528 0.00528 0.0052		ر بم	=1.9; u5/E
#	Sample ID	Compound		Reported Concentration (ug /et/	Calculated Concentration ()	Qualification	
		-					[
							[

Date: October 2006 SOP HW-44, Rev.1.0

PACKAGE COMPLETENESS AND DELIVERABLES

CASE LAB:	NUMB!	ER: 3	31445\$ 1erica	Buffalo		SDG#	480- Glen	55092-1 Isle			
1.0	<u>Data</u>	Comp	<u>letene</u> :	ss and De	liver	ables			YES	NO	N/A
	1.1			e data be e format?		omitted :	in CLP		1		
	1.2		-	issing de to the da			en rece	ived	LZ		·
	ACTIO	ON:	missin	ng delive	rables effe	s. If lact on rev	ab cann	al of any ot provid	le		
2.0	Cove	r Leti	ter, SI	OG Narrat	ive						
	2.1	Is a		atory nar	rative	e or cove	er lett	er			
	2.2			se number cative or				ontained	乜		
3.0	<u>Data</u>	Valio	dation	Checklis	<u>t</u>						
	3.1	Does	this o	lata pack	age co	ontain:					
		Water	r data:	•					17		
		Waste	e data?	•							
		Soil	/solid	data?					14	_	

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ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples?

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?



ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?



Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

USEPA Region II

SW846 Method 8081B Pesticides

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ACTION:

Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

V-1	D	Quit have	Ac	tion
Matrix	Preserved	Criteria	Detected compounds	Non-detected compounds
	No	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J*	. UJ
Aqueous	Yes	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	No qual	ification
	Yes '	> 7 days(extraction) > 40 days(analysis)	J	נט
	Yes/No	> 28 days (gross exceedance)	J	R
	No	<pre>≤ 14days(extraction) ≤ 40 days (analysis)</pre>	J*	UJ*
	No	> 14days(extraction) >40 days(analysis)	J	UJ
Non-aqueous	Yes	<pre>≤ 14days(extraction) ≤ 40 days(analysis)</pre>	No qual	ification
	Yes	> 14days(extraction) > 40 days(analysis)	J	ŪJ
	Yes/No	> 28 days (gross exceedance)	Ĵ	R

^{*} only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

3.0	Surrogate	Recovery	(Form	II	<u>/Equivalent)</u>

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

	Surrogate Ke	SCOVE	er y	שווווונכ	7 T A 1	TOTHS (LOT!	u II), OI	
	equivalent,	for	each	of	the	following	matrices?	
a	Water/Waste							1/

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

_	the following matrices?	r ×
a.	Water	1/1

b. Waste

c. Soil/Solid

ACTION: Call lab for explanation/resubmittals.

If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

ACTION: Follow surrogate action, Table 2 below.

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YES NO N/A

Table 2. Surrogate Recovery Criteria

	Action				
Criteria	Detected Target Compounds	Non-detected Target Compounds			
%R > 200%	J Use professio judgeme				
150% < %R ≤ 200%	J	No qualification			
30% ≤ %R ≤ 150%	No qualification				
10% ≤ %R < 30%	J	IJ			
%R < 10% (sample dilution not a factor)	J	R			
%R < 10% (sample dilution is a factor)	Use professional judgement				
RT out of RT window	Use professional judgement				
RT within RT window	No quali	fication			

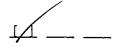
3.6 Are there any transcription/calculation errors between raw data and Form II?

ACTION:

If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 <u>Laboratory Control Sample(LCS)</u>

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.



ACTION:

If any <u>Laboratory Control</u> <u>Sample</u> data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

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YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below.

Note:

Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note:

The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION:

If <u>Laboratory Control Samples</u> were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

QC acceptance criteria, listed in table above?

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YES NO N/A

ACTION:

For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action			
	Detected Associated Compounds	Non-Detected Compounds		
%R > Upper Acceptance Limit	J	No qualification		
%R < Upper Acceptance Limit	J	R		
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications			

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

[.]

L.I _/_

NOTE:

For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?

П __ /

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

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YES	NT()	7.T / 7.
123	TAC	IN / P

a.	Water

⊥ ___ __

b. Waste

c. Soil/Solid

	/
	./

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

[V]	

Note:

Spiking analytes may differ from those in Table 5.

Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) <u>For all other aqueous samples</u> the larger of either 1 to 5 x times the expected background

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YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. Isb limits.

<u>u _ /</u>

Note:

√Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE:

The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

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YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION:

Follow the matrix spike actions (Table 7)

for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R or RPD > Upper Acceptance Limit	J	No qualification	
20% R < %R < Lower Acceptance Limit	J	UJ	
%R < 20%	J	Use professional judgement	
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications		

Note:

When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

- 6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?
- 6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

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YES NO N/A

If any blank data are missing, take action as ACTION: specified above (section 3.2). If blank data is not available, reject (R) all associated positive However, using professional judgement, the data reviewer may substitute field blank data for

missing method blank data.

6.3 Chromatography: review the blank raw data chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

"Water blanks", "distilled water blanks" and NOTE: "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL	≥ CRQL	No qualification
		< CRQL	Report CRQL value with a U
Method, Clean up, Instrument,	> CRQL	CRQL and < blank contamination	Report the concentration for the sample with a
Field		<pre></pre>	No qualification
		< CRQL	Report CRQL value with a U
	= CRQL	≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated

as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant

concentration in the blank is multiplied by the sample

dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated

peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

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YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

M___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

- 8.0 <u>Gas Chromatography with Electron Capture Detector (GC/ECD)Instrument Performance Check (CLP Form VI and Form VII Equivalent)</u>
 - 8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

TX ____

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column	1:	-	
column	2:		

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

- 9.0 Calibration and GC Performance
 - 9.1 Are the following Gas Chromatograms and Data Systems Printouts for <u>both</u> columns present for all samples, blanks, MS, replicates?
 - a. DDT/endrin breakdown check

$\sqrt{1}$	

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YES NO N/A

b.	toxaphene
----	-----------

c. technical chlordane TX ____

5 pt. initial calibration standards d.

e. calibration verification standards f. LCS Method blanks g.

ACTION: If no, take action specified in 3.2 above.

9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)?

If no, take action as specified in 3.2 above. ACTION:

9.3 Has the individual % breakdown exceeded 20.0% on either column for:

- 4,4' - DDT?

- endrin?

** 17 —

If any % breakdown has failed the QC criteria in ACTION: the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- If 4,4'-DDT breakdown is greater than 20.%: a.
 - i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

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YES NO N/A

- b. If endrin breakdown is greater than 20.0%:
 - i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").
 - ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").
- 9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence?

[X____

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms.

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ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms?



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YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above?

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence?

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

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YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration (all r) standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes).

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD ≤ 25% for alpha-BHC and delta-BHC

%RSD ≤ 30% for Toxaphene peaks

%RSD < 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A working day, prior to sample analyses (pages 8081B-15, sections 7.5.2)? 9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)? If no, take action as specified in section 3.2 ACTION: above. 9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV? ACTION: See Table 10 below. 9.13 Has the percent difference (%D) exceeded ± 20% for any organochlorine pesticide analyte in any calibration verification standard? 9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the outof-control standard (page 8081B-16, section [] 7.5.2.3) reinjected? If the %D for any analyte exceeded the ± 20% ACTION: criterion and the instrument was not recalibrated for those analytes, see table below. 9.15 Have daily retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)?

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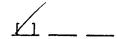
YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

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9.17 Do all standard retention times for each midconcentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows (page 8081B-16, section 7.5.3)?



ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is \pm 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

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YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action				
	Detected Associated Compounds	Non-Detected Associated Compounds			
RT out of RT window	Use professional judgement				
%D not within +/- 20%	J 'UJ				
Time elapsed greater than section 9.12 criteria.	R				
%D, time elapsed, RT are all within acceptable limits.	No qualifications				

9.18 Are there any transcription/calculation errors between raw data and data summary forms? _ 14 __

ACTION: If large errors exists, call lab for

explanation/resubmittal, make any necessary corrections and document the effect in data

assessments under "Conclusions".

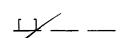
10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?



ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?



ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

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YES NO N/A

11 0 3	of limits. Extraction Method Cleanup Efficiency Verification (Form IX/Equivalen	t)
	11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?	
	 Aqueous samples: Separatory funnel (Method 3510) 	
	2. Continuous liquid-liquid extraction (Method 3520)	
	3. Solid phase extraction (Method 3535)	
	4. Other	
	2. Solid samples:	
	1. Soxhlet (Method 3540)	
	2. Automated Soxhlet (Method 3541)	
	3. Pressurized fluid (Method 3545)	
	4. Microwave extraction (Method 3546)	
	5. Ultrasonic extraction (Method 3550)	
	6. Supercritical fluid (Method 3562)	
	7. Other	
:	11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organishlering posticide extracts)	

USEPA Res	gion II thod 8081B Pesticides	Date: October 2006 SOP HW-44, Rev.1.0
		YES NO N/A
ACTION:	If no, take action specified in 3. data suggests that florisil cleanu performed, make note in the review	p was not
NOTE:	Method 3620A uses Florisil, while allows for Florisil cartridges. M not list which pesticides and surreto verify column efficiency. The check project plan to verify methods the correct pesticide list. If available, use the CLP listing or laboratory used.	ethod 3620A does ogate(s) to use reviewer must d used as well not stated or
	all samples listed on modified CLP :	Pesticide
ACTION:	If no, take action specified in 3.	2 above.
	GPC Cleanup was performed, is Form I valent present?	X - Pest-2/
ACTION:	If GPC was not performed and sample indicate significant sulfur interference in the data assessment.	
NOTE:	GPC cleanup is not required and is reviewer should check Project Plan requirement.	
	e the same compounds on Form IX used efficiency of the cleanup procedure	
surr of t	percent recoveries (% R) of the pes rogate compounds used to check the e the cleanup procedures within QC lim Form IX:	fficiency
80-1	120% for florisil cartridge check?	
80-1	110% for GPC calibration?	<u>п</u> /

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YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J"

(estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

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ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

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ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

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YES NO N/A

ACTION:

Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

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ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

- 12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).
- 12.6 Is the percent difference (*D) calculated for the positive sample results on the two GC columns <25.0%?

NOTE:

The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

<pre>% Differe</pre>	ence	<u> Oualifier</u>
0-25%		none
26-70%		"J"
71-100%		"UN"
101-200%	(No Interference)	"R"
101-200%	(Interference detected) "NJ"	
>50%	(Pesticide vale is <crql)< td=""><td>"U"</td></crql)<>	"U"
>201%		"R"

Note: The lower of the two values is reported on Form I.

If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

Single-peak pesticide results can be checked for

rough agreement between quantitative results

13.0 Compound Quantitation and Reported Detection Limits

NOTE:

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

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obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation

presence of interferences has led to the quantitation of the second column confirmation results.

column. The narrative should indicate that the

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YES NO N/A

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ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

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14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

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ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

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ACTION:

Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to

determine the proper identification of field

duplicates.

Site:

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-55092-1

Reviewer:

Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 20, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-029-0-2 CC-C-029-8-10** CC-C-041-0-2 CC-C-041-2-4 CC-C-041-8-10 FB003-GW FB026 CC-C-029-2-4	480-55092-1 480-55092-2 480-55092-3 480-55092-4 480-55092-5 480-55092-6 480-55092-7 480-55092-9	Metals Metals Metals Metals Metals Metals Metals Metals Metals
CC-C-029-0-2MS CC-C-029-0-2MSD	480-55092-1MS 480-55092-1MSD	Mercury Mercury

Associated QC Samples(s):

Field/Trip Blanks:

FB003-GW, FB026

Field Duplicate pair:

None Associated

The above-listed soil and water samples were collected on February 19, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13 (September 2006) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011 (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CROL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Laboratory Job 480-55092-1, Inorganics, Page 2 of 6

Blank Results

Analytes were detected below the reporting limits in the laboratory method and instrument blank samples. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	7.49 mg/Kg		All soil samples in SDG 480-55092-1
	Iron	5.23 mg/Kg		_
	Magnesium	2.33 mg/Kg		
	Manganese	0.134 mg/Kg		
	Zinc	0.354 mg/Kg		
PB (prep blank)	Iron	0.0318 mg/L		All water samples in SDG 480-55092-1
	Manganese	0.00228 mg/L		_
	Zinc	0.00172 mg/L		
ICB/CCB	Copper	0.00203 mg/L		CC-C-029-8-10**
	Iron	0.0253 mg/L		
	Manganese	0.000500 mg/L		

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
FB003-GW	Zinc	0.0070 mg/L	0.010U mg/L
FB026	Manganese	0.00069 mg/L	0.0030U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB003-GW and FB026 were identified as field blanks. Analytes were detected above the reporting limits in the field blank sample FB0003-GW. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
FB003-GW	Barium Calcium Magnesium Manganese Potassium	0.026 mg/L 32.0 mg/L 8.3 mg/L 0.0031 mg/L 1.6 mg/L		None
	Sodium	12.8 mg/L		

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-046-4-6** for ICP metals and CC-C-029-0-2 for mercury. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-046-4-6MS/MSD	Aluminum	211	217	-	75-125	All soil samples in	J detects
	Chromium	73	-	-	75-125	480-55092-1	J detects
	Copper	46	61	Í -	75-125		J detects
	Lead	70		-	75-125		J detects
	Magnesium	-	140	-	75-125		J detects
CC-C-046-4-6MS/MSD	Antimony	73	74	_	75-125	All soil samples in	J detects
	·		1			480-55092-1	UJ nondetects
CC-C-029-0-2MS/MSD	Mercury	65	72	-	75-125	All soil samples in	J detects
						480-55092-1	UJ nondetects

Estimate (J) the positive aluminum and magnesium results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive chromium, copper, and lead results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J/UJ) the positive and nondetect antimony and mercury results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

SDG Labo MET The s		Inc. ' 846 Me	ethod 60100	Ca 1411 B C/70 00)	at A/Cat I /ケイク	3	DRKSHEE areas. Valida		Date: 3/17// Page: 1 of / Reviewer: 2nd Reviewer: 0
valida	ation findings workshee	ets.			1		32		
	Validatio	on Area		Λ.	<u> </u>		Con	nments	
<u>l.</u>	Technical holding times			A	Sampling d	ates: 🗸	119/14		
<u>II.</u>	ICP/MS Tune		, .	<u>Ur</u>	Not review	ed for Cat /	review.	<u>~</u>	
III.	Calibration			_/}_	Not review	ed for Cat A	\ review.		····
IV.	Blanks			gw/	IUB/cop	$\underline{\nu}$			
V.	ICP Interference Check S	Sample (I	CS) Analysis	A	Not review	ed for Cat A	A review.		
VI.	Matrix Spike Analysis			3W					
VII.	Duplicate Sample Analys	is		ν					
VIII	Laboratory Control Samp	les (LCS)	j	A	LCS CRM				
IX.	Internal Standard (ICP-M	S)		NA	,	•			••
X.	ICP Serial Dilution			A	Not reviewed for Cat A review.				
XI.	Sample Result Verification	on .		A	Not reviewed for Cat A review. MUL Church CKL JLA				elte CKL JIA
XII.	Overall Assessment of D			1					•
XIII				N			, ,		
XIV				4W	F13=1	. 7	LXV		
Note:	A = Acceptable N = Not provided/applica SW = See worksheet ted Samples: ** Indicates sai		R = Rins FB = Fie	eld blank		D = TB	Duplicate = Trip blank = Equipment b	olank	
1	CC-C-029-0-2	11	Mr)	21			31	
2	CC-C-029-8-10* *	12			22			32	
3	CC-C-041-0-2	13_			23			33	
4	CC-C-041-2-4	14			24			34	
5	CC-C-041-8-10	15			25			35	
6	FB003-GW	16			26			36	
7	FB026	17			27			37	
8	CC-C-029-2-4	18			28			38	
9	CC-C-029-0-2MS	19			29	,		39	
10	CC-C-029-0-2MSD	20			30			40	

Notes:_

h benta

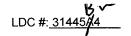
VALIDATION FINDINGS WORKSHEET Sample Specific Element Reference

Page:_	
Reviewer:_	
2nd reviewer:_	9

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-8	Soil	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn/Mo, B, Si, CN
	- 7/6	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
u 9,10	Sa-1	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn(Hg)Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Ai, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Ti, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
T	<u> </u>	Analysis Method
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mr, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
GEAA		Al. Sb. As, Ba. Be, Cd. Ca, Cr. Co, Cu. Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN

Comments: Mercury by CVAA if performed



VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

2nd Reviewer

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied:

Sample Concentration units, unless otherwise noted:n	ng/Kg Associated Samples: All Soil (>RL)
--	--

			1.00				Samı	ole Identific	ation		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit							
Са	7.49									1	
Fe	5.23										
Mg	2.33										
Mn	0.134										
Zn	0.354										

Associated Samples: All Water Sample Concentration units, unless otherwise noted: mg/L

			7,24			40 Aug.	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	Sample Id				
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	6	7						
Fe		0.0318	,					•				
Mn		0.00228				0.00069/0.0030						
Zn		0.00172			0.0070/0.010							

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 2 (>RL)

						-	Sami	ple Identific	ation		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit							
Cu			0.00203								
Fe			0.0253								
Mn			0.000500								

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445B4

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	_of
Reviewer:	
nd Reviewer:	a

METHOD: Trace Metals (EPA SW846 6010C/7471B/7470A) Were field blanks identified in this SDG?

Were target analytes detected in the field blanks?

Blank units: mg/L Associated sample units: mg/L Sampling date: 2/19/14 Soil factor applied Field Blank / Rinsate / Other FB Sampling date: 2/19/14

Associated Samples: None

Fleiu biaii	leid blank type: (circle one) Field Blank / Rinsate / Otner. FB Associated Samples: None														
Analyte	Blank ID		Sample Identification												
	6	Action level													
Ва	0.026	0.26				-									
Са	32.0	320													
Mg	8.3	83													
Mn	0.0031	0.031													
К	1.6	16													
Na	12.8	128													

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT: Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U". LDC #: 31445B4

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page:	of
Reviewer:	
2nd Reviewer:	C

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Pl <u>e</u> ase see qualifications below for all questions answered "N". Not applicable questions are identified as

Was a matrix spike analyzed for each matrix in this SDG?

Y N/A

Were matrix spike percent recoveries (%R) within the cont

Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor

of 4 or more, no action was taken.

Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEYEL IV ONLY:

(Y) N N/A

(Y/N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

				MS	MSD			
#	MS/MSD ID	Matrix	Analyte	%Recovery	%Recovery	RPD (Limits)	Associated Samples	Qualifications
1	CC-C-046-4-6MS/MSD	Soil	Al	211	217		All Soil	J det (All det)
			Sb	73	74			J/UJ (det + ND)
			Cr	73				J/UJ (All det)
			Cu	46	61			
			Pb	70			-	
		_	Mg		140			J det (All det)
<u>IL</u>								
2	9/10	Soil	Hg	65	72		All Soil	J/UJ (All det)
		_						
					L			

Comments: CC-C-046-4-6: Ca, Fe, Mn >4X, no qual for %R

VALIDATION FINDINGS WORKSHEET Initial and Continuing Calibration Calculation Verification

Page:_	of
Reviewer:	\sim
2nd Reviewer:	9

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

 $%R = Found \times 100$ True

Where, Found = concentration (in ug/L) of each analyte <u>measured</u> in the analysis of the ICV or CCV solution True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	س Found (الg/L)	V∕ True (√ g/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
IN	ICP (Initial calibration)	Az	0.3787	0.375	[0]	1-1	У
	ICP/MS (Initial calibration)	0 -					
IcV	CVAA (Initial calibration)	Hg	००५०	0,20310	97	99	Y
cw	ICP (Continuing calibration)	46	0-475	0.200	95+	95	Ý
	ICP/MS (Continuing calibration)						,
cul	CVAA (Continuing calibration)	Hq	0,00 [9]	0,0000	96	96	7
	GFAA (Initial calibration)	J	1				
	GFAA (Continuing calibation)						

Comments:	Refer to	<u>Calibration</u>	Verification:	findings '	<u>worksheet fo</u>	r list of	gualifications	and	<u>associated</u>	samples wher	reported	results de	o not agre	<u>ee within</u>	<u> 10.0% </u>	of the
ecalculated	results															

VALIDATION FINDINGS WORKSHEET **Level IV Recalculation Worksheet**

Page:_	<u>l</u> of <u></u>
Reviewer:	
2nd Reviewer:	07

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

 $%R = Found \times 100$ True

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation,

Found = SSR (spiked sample result) - SR (sample result).

True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

 $RPD = |S-D| \times 100$ (S+D)/2

Where, S = Original sample concentration

D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

 $%D = II-SDRI \times 100$

Where, I = Initial Sample Result (mg/L)

SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ZesAp	ICP interference check	Se	0.3559	وم و م	112	112	4
103	Laboratory control sample	Be	68-5	72.3	94.7	94.7	
9	Matrix spike	Hg	(SSR-SR) 0,249	0.378	65	65	
wy hon to	Duplicate	CY	(1.5	58° 7	14	14	/
V	ICP serial dilution	14	shost	54.75	3,7	3,7	¥

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445B

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	Lof
Reviewer:_	
2nd reviewer:	a

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

NN	N/A Ha	ve results e results w	been reported a	ind calculated corr ed range of the ins	ectly?	cable questions are		
Detec equat		sults for _	· · · · · · · · · · · · · · · · · · ·			were recalcu	lated and verified	using the following
RD FV In. Vol. Dil	(In = Rav = Fin: = Initi	D)(FV)(Dil) Vol.) v data conce al volume (m al volume (m tion factor		Recalci サン pb。		1688 JX 05	50nl . 4 = 11	197, 4 hg/
#_	Sample	e ID		Analyte		Reported Concentration () ()	Calculated Concentration	Acceptable (Y/N)
				Pb		0.17	1182	
Note:_								

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: H	V-2 Revision 13	Appendix A.1	Sept. 2006
			YES <u>NO N/A</u>
(b)	Form I's?		
	Is the number of samples on the CP Page the same as the number of samples on the Traffic Report she and the Regional Record of Common (ROC) for the data Case?	et	
	ACTION: If no for any of the above, prepare Telephone Record Log and contact for re-submittal of the corrected Contact from the laboratory.	ct RSCC/PO	·
A.1.6 <u>SD</u>	G Narrative, DC-1 & DC-2 Form		
	Is the SDG Narrative present?		<u> </u>
	Is Sample Log-In Sheet(Form DC-present and complete?	1)	<u></u>
	Is Complete SDG Inventory Sheet(present and complete?	Form DC-2)	
	ACTION: If no, write in the Contract-Problem Non-Compliance Section of the I Narrative.		
1.1.7 <u>For</u>	n I to XV		
1.7.1	Are all the Form I through Form XV labeled with:		
	Laboratory Name?		
	Laboratory Code?		
	RAS/Non-RAS Case No.?		
	SDG No.?		[🗸]

USETA REGION 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2 Revi	sion 13	Appendix A.1	Sept. 2006	
				YES NO N/A	
A.I.I	Contract Com Present	pliance Screenir ?	ng Report		
	ACTION	!: If no, contac	ct RSCC/PO.		
A.I.2	Record of Con	nmunication (fro	om RSCC)		
	Present?	>			
	ACTION	: If no, reques	st from the RSCC.		•
A.1.3	Sampling Trip	Report		1	
	Present a	and complete?		[
	ACTION:	If no, contac	t RSCC/PO.		
A.I.4	Chain of Custo	dy/Sample Traff	ic Report		
	Present?				
	Legible?				
	Signature present?	of sample custoo	dian		
	ACTION:	If no, contact RS	CC/WAM/PO.		
4.l.5 <u>!</u>	Cover Page				
	Present?				
	and the ve	er Page properly erbatim signed by or the manager's	the lab		
	on the Cov	mple identification ver Page agree w on numbers on:			
	(a) Traffic	Report Sheet?			

SOP: HW	-2 Revision 13	Appendix A.1	Sept. 2006	
	Contract No.?		YES NO N/A	•
	ACTION: If no for any of the above	. note under		
	Contract Problem/Non-Co	ompliance Section		
	of the "Data Review Narra		•	
A.1.7.2	PO for corrected Form(s) After comparing values or			
	against the raw data, do a	any computation/		
	transcription errors excee reported values on the Fo			
	·			
(a)	all analytes analyzed by ICP	-AES?		
(b)	all analytes analyzed by ICP	-MS?		
(c)	Mercury?		_ [4	
(d)	Cyanide?		_ [] [
AC.	TION:			
	es, prepare Telephone Recor			
	Lcontact CLP PO/TOPO for t a from the laboratory.	He corrected		
			,	
A.1.8 <u>Rav</u>	v Data			
	a shall not be validated wit			
	d/electronic copies of the a data for samples and QC s			
A.1.8.1	Digestion/Distillation Log			
Dige	estion Log for ICP-AES			
	XII)present?			
Dige	estion Log for ICP-MS			
	n XII) present?			
Dige	estion Log for mercury			
	m XII) present?			
	llation Log for cyanide			
(For	m XII) present?			
Are p	oH values for metals and			

SOP:	HW-2	Revision 13	Appendix A.1	Sept. 2006
	-			YES NO N/A
	-	reported for each		r /1
	aqueous	s sample?		
		cent solids calculations for soils/sediments?	5	<u> </u>
		paration dates present preparation logs/bench		
		Distillation log must include we ns used to obtain the reported		
A.1.8.	2 Is real-time	the analytical instrume printouts present t		
	ICP-AES	3?		
	ICP-MS?	?		
	Mercury?	?		M
	Cyanide?	?		
ä	and instru	boratory bench sheets ument raw data printou y to support all sample and QC operations:	uts	
L	.egible?			<u> </u>
F	roperly la	beled?	·	M
		l samples, QC sample QC samples present o		
C	igestion/D	Distillation log?		
Ir	strument	Printouts?		M

If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

SOP	: HW-2	Revis:	ion 13	Appen	ndix A.1	Se	pt. 2	006
						YES	NO	N/A
A.1.9	(Examine s	ample Traffic	Reports and	: (Aqueous and soil s digestion/distillation logs to sample collection date to th)			
A.1.9	3.1	Cyanide d	istillation(14 days)exceeded?		_ []	~	
	i	Mercury ar	nalysis(28	days) exceeded?		_ [/	<u> </u>	
	(Other Meta	als analys	is(180 days)exceede	:d?	[]		
	and fla	reject (R) :	ated (J)re	ne non-detects esults > MDL even properly.				
	a list of a which exc be prepar the numb (Subtract from the s	n to qualifying Il samples and ceeded the ho red. Report for er of days tha the sample or sample prepar list to the data	d analytes Ilding times no reach sample t were exceed collection date ration date).	le eded.				
A.1.9.	2 19	s pH of aqu	ueous sar	mples for:		/ .		
	Metals	Analysis	≤ 2?			<u> </u>		_
	Cyanide	e Analysis	<u>≥</u> 12?					
		<u>√</u> : any of the a ects as "R" a						
A.1.9.3	Is the co	oler tempe	erature <u><</u>	10 C°?				
		₹: temperatur ects as "UJ"						

A.1.10 Final Data Correctness - Form I

A.1.10.1

Are Form I's for all samples

contractions a

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision 13	Appendix A.1	9	Sept. 2	2006
				YES	NO	N/A
	preser	nt and complete?				
	Log ar	<u>PN</u> : prepare Telephone Reco and contact CLP PO/TOP tal from the laboratory.				
A.1.10		· · · · · · · · · · · · · · · · · · ·	lation and transcription errors in th cle on each Form I all results that		ect.	
	ls	s the calculation error le	ss than 10% of the correct result?		· — —	
		re results on Form I's re MG/KG for soils)?	ported in correct units (ug/L for ac	lueous ai	nd ——	
	А	re results on Form I'S re	eported by correct significant figu	ıres? [_v	<u></u>	
		re soil sample results or orrected for percent solic		[1]		
		e all "less than MDL" va	•	[]		
	bu	re values less than the C t greater than or equal to Ls flagged with "J"?				
		e appropriate contractua trol and Method qualifie		[]		- <u> </u>
	lf : pre	CTION: no for any of the above of the pare Telephone Record PPO/TOPO for correct	Log, and contact			
.1.10.3	an sai on	EPA sample identificati d the corresponding labout mple identification numb the Cover Page, Form I he raw data?	oratory ers match	· [<u> </u>		

Was a brief physical description

SOP: HW	7-2 Revision 13 P	Appendix A.1	Sept. 20	06
			YES NO	<u>1/A</u>
	of the samples before and after digestion given on the Form I's?		[] 📈	 .
	Was any sample result outside the mercury/cyanide calibration range or the ICP-AES/ICP-MS linear rang diluted and noted on the Form I?	je		
	ACTION: If no for any of the above, note und the Contract-Problem/Non-Complian Section of the Data Review Narrative.	nce		
A.1.11 <u>Ini</u>	tial Calibration			
A.1.11.1	Is a record of at least 2 point (A blank and a standard)calibration present for ICP-AES analysis?			
	Is a record of at least 2 point (a blank and a standard)calibration present for ICP-MS analysis?		[]	<u> </u>
	Is a record of at least 5 point calibra (a blank & 4 standards)present for Hg a		[
	Is a record of at least 4 point calibra (a blank & 4 standards)present for cyan		[]	
	ACTION: If incomplete or no initial calibration was performed, reject (R) and red-litthe associated data (detects & non-			
	Is one initial calibration standard at the CRQL level for cyanide and mercury?			
	ACTION: If no, write in the Contract Problem/ Non-Compliance Section of the Data Review Narrative.	a a constant of the constant o		
A.1.11.2	Is the curve correlation			

-20-

coefficient \geq 0.995 for:

SOP: HW	-2 Revision 13 App	pendix A.1	Sej	pt. 200	5
			YES	NO N	/ <u>A</u>
	Mercury Analysis?		[]		
	Cyanide Analysis?		[]		~
	ICP-AES (more than 2 point Ca	alib.)?	[]		,
	ICP-MS (more than 2 point ca	ılib.)?	f]		V
	ACTION: If no, qualify the associate results > MDL as estimated "non-detects as "UJ". NOTE: The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.gabsorbance, peak area, peak height, etc.)	J" and	•		
A.1.12	Initial and Continuing Calibrat	ion Verification-	Form IIA	<u>. </u>	
A.1.12.1	Present and complete for ever metal and cyanide?	ry	[]		
	Present and complete for ICP and ICP-MS when both these me were used for the same analyt	ethods	[]		V
	ACTION: If no for any of the above, predictions are submittal from the lab	act PO/TOPO			
A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?		[]		
	ACTION: If no for any of the above, win the Contract-Problem/Non-Contract Review National Rev	ompliance			
A.1.12.3	Was an ICV or a mid-range sta distilled and analyzed with e of cyanide samples?		[]		✓

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: H	IW-2 Revision 13	Appendix A.1	Se	ept. 200	06
			<u>YES</u>	NO I	J/A
	Section of the Dat	the above, write coblem/Non-Compliance and MDL as estimated (J).			
A.1.12.2	Circle on each Form IIA that are outside the cont				
	Are ICV/CCVs within cor	ntrol limits for:			
	Metals - 90-110%F	₹?	[1		
	Hg - 80-120%R?		[]		
	Cyanide - 85-115%	₹?	[]		<u> </u>
		between a previous technically ent technically acceptable CC\	•	;cV	
	if the ICV/CCV %R is bet Qualify only positive resu between 111-125%(121- red-line only detects if the recovery is CN). Reject (R) and red-l	all detects and non-detects, tween 75-89%(65-79% for Hg; lts(≥ MDL) as "J" if the ICV/CC 135% for Hg;116-130% for CN greater than 125% (135% for line all associated results (hits less than 75%(65% for Hg;70%)	CV %R is I). Reject (R) a Hg; 130% for and non-	•	
	NOTE: For ICV that does not fall within the qualify all samples reported from				
.1.12.3	Was the distilled ICV or n standard for cyanide with limits (85-115%)?	•	[]		<u> </u>
	ACTION: If no, Qualify all cyanide r	esults <u>></u> MDL as "J".			

1.1.13 CRQL Standard Analysis - Form IIB

v.1.13.1 For each ICP-AES run, was a CRI

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SOP: HV	W-2 Revision 13	Appendix A.1	Sep	ot. 2006
•	CRQL or MDL when MDL > (tandard analyzed? (Note:CRI is not requ Ca, Fe, Mg, Na and K.	ired for Al, Ba,	YES []	<u>NO N/A</u>
	For each ICP-MS run, w (CRQL or MDL when MDL > analyzed for each mass for the analysis?	CRQL) standard	[]	
	For each mercury run, w standard analyzed?	as a CRQL		
	For each cyanide run, w standard analyzed?	as a CRQL	[]	
ICP ICP Mer	ACTION: If no for any of the above this deficiency in the Cornon-Compliance Section Narrative, inform CLP Poin the affected ranges (deand non-detects UJ. affected ranges are: P-AES Analysis - *True Value roury Analysis - *True Value rande rande	tract Problems/ of the Data Review and flag results etects <2xCRQL)as J + CRQL + CRQL + CRQL		
A.1.13.2	* True value of the CR Was a CRQL standard ar ICV/ICB, before the final once every 20 analytical s the analytical run for each	nalyzed after the CCV/CCB and camples in	[]	<u> </u>
	ACTION: If no, write in the Contract Non-Compliance Section "Data Review Narrative".			·
1.1.13.3	Circle on each Form IIB al recoveries that are outside	•		

acceptance windows.

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	Is the CRQL standard within limits for:	control	<u>YES</u>	<u>NO N/A</u>	
	Metals(ICP-AES/ICP-MS)- 7	70 - 130%?	[_]	,	
	Mercury- 70 - 130%?		[_]		
	Cyanide - 70 - 130%?		[]		
	ACTION: If no, flag detects <2xCRQL and non-detects as "UJ" if the CR recovery is between 50-69%. detects <2xCRQL if the recovery 131% and ≤180%. If the recovery 150%, reject(R) and red-line detects < 2xCRQL, and flag (2xCRQL and ICV/CCV. Rejected to the covery 100 for the recovery 100 flag (Just < 1CV/CCV if the recovery 100 flag (Just < 1CV/CCV if the recovery 100 flag (Just < 1CV/CCV if the recovery 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 flag (Just < 100 fla	RQL standard Flag(J) only very is between overy is less than non-detects and J) detects between ct and red-line only)detects ≥ 2xCRQL			
·	NOTE: 1. Qualify all field samples a a previous technically acce the CRQL standard and a sub analysis of the CRQL standa 2. Flag (J) or reject (R) only sample results on Form I's raw data are within the aff and the CRQL standard is ou acceptance windows. 3. The samples and the CRQL standayd in the same analyte	ptable analysis of sequent acceptable rd the final when Sample ected ranges tside the andard must be			
1.14 <u>In</u>	tial and Continuing Calibration	Blanks - Form III			
.1.14.1	Present and complete for all the instruments used for the metals and cyanide analyses?	?	[]		
	Was an initial Calibration Blar analyzed after ICV?	nk	[]		
	Was a continuing Calibration I analyzed after every CCV and 10 samples or every 2 hours, is more frequent?	l every	[]		
	Were the ICB & CCB values ≥ reported on Form III and flagg				

SOP: HW-2	Revision 13	Appendix A.1	S	ept. 2006	
	using MDLs from direct a		YES	NO N/A	
	Method "NP1")?		[<u>V</u>]		
	(Check Form III agains	t the raw data)			
	ACTION: If no, inform CLP PO/TOF in the Contract-Problems	/Non-Compliance	·		
	Section of the "Data Revi	ew Narrative".			
A.1.14.2	Circle with red pencil on eall Calib. Blank values that				
	≥ M	DL but <u><</u> CRQL		•	
	> CF	RQL			
A.1.14.2.1	When MDL < CRQL, is an value ≥ MDL but ≤ CRQL?			[]	
	ACTION: If yes, change sample resibut ≤ CRQL to the CRQL volume of the contraction of t	with a "U".			
	en MDL < CRQL, is any Ca ae > CRQL?	alib. Blank	-	[]	
; (•	ACTION: If yes, reject (R) and red linessociated sample results but <icb blank="" ccb="" resuldetects=""> ICB/CCB blank versults = MDL but < the CResults are the the CResults are the CResults are the the the the the the the the the th</icb>	> CRQL It. Flag as "J" alue but age the sample			
	ny Calibration Blank value ow the negative CRQL?				
li a	ACTION: f yes, flag (J) as estimated associated sample results a annual control of the control o				

NOTE:

^{1.} For ICB that does not meet the technical QC Criteria, apply the action to all samples

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			YES	NO	N/A
2. Fo app pre a s	ported from the analytical run. or CCBs that do not meet the technical QC ply the action to all samples analyzed betwevious technically acceptable analysis of Coubsequent technically acceptable analysis B in the analytical run.	reen a CB and			
A.1.15	<u>Preparation Blank - FO</u> <u>NOTE: The Preparation Blank for is the same as the calibration is the calibration is the calibration is the calibration is the calibration is the calibration is the callbration is the calibration is the callbration is the callbration is the calibration is the callbration is the callb</u>	r mercury	·		
A.1.15.1	Was one Preparation Bl with and analyzed for:	ank prepared			
	Each Sample Delivery G	roup (SDG)?	[]		
	Each batch of the SDG digested/distilled?	samples	[]		
	Each matrix type?	·	[<u>V</u>]		
	All instruments used for and cyanide analyses?	or metals			
	ACTION: If no for any of the alas estimated (J) all the positive data <10xMDL for the preparation Blank was recommended.	ne associated for which the			
	NOTE: If only one blank was analyzed than 20 samples, then the first analyzed are not estimated(J), additional samples must be qual	t 20 samples out all		-	
	Circle with red pencil o all Prep. Blank values t				
	≥ MDL but ≤ CR	QL, and			
	> CRQL				
	When MDL < CRQL, is any value \geq MDL but \leq CRQL?		_	[]	
	ACTION:				

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If yes, change sample result ≥ MDL

SOP: HW-	-2 Revision 13	Appendix A.1		Sept.	20.06	
			YES	NO	N/A	
	but \leq CRQL to CRQL with ϵ	a "U".				
A.1.15.2.	2 When the MDL \leq CRQL, is a Blank value greater than			. [_	<u>_</u>	
	If yes, is the Prep. Blar greater than the value of Field Blank collected and the SDG samples?	the associated		۲_	<u></u>	
	If yes, is the lowest conthat analyte in the associates than 10 times the Pr Blank value?	iated samples		[_	<u></u>	
	ACTION: If yes, reject (R) and re sample results greater th than the Prep.Blank value detects > Prep. Blank value it with CRQL-U.	an the CRQL but less . Flag as "J" ue but <10xPrep.Blan	k.			
	If the Prep. Blank value analyte value in the Field qualify the sample results Prep. Blank criteria.	d Blank, do not	9			
	NOTE: Convert soil sample result to mg/K wet weight basis to compare with t Prep. Blank result on Form III.					
A.1.15.2.3	Is the Prep. Blank concent below the negative CRQL?	ration -		[]		
	ACTION: If yes, flag (J) all assoc sample results less than 1 Qualify non-detects as est	0xCRQL.				
A.1.15.2.4	When the MDL is greater the CRQL, is the preparation be concentration on Form III than two times the MDL?	lank		[]	<u> </u>	/

ACTION:

SOP: HW-	2 Revision 13 Appendix	A.1	Se	pt. 20	006
			YES	NO	N/A
	If yes, reject (R) and red-line al positive sample results with sampl raw data less than 10 times the Preparation Blank value.				
A.1.16	<pre>ICP-AES/ICP-MS Interference Check NOTE:Not required for CN, Hg, Al, Ca, Fe</pre>		S)- Forn	m IV	
A.1.16.1	Present and complete?		[]		
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical sample		[]	~	
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	of	[]		1
	ACTION: If no, flag as estimated (J) all sample results.				
a.1.16.2	ICP-AES Method				
1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" a values within the control limits ± of the true/established mean value?	of CRQL			
	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG greater than or equal to its respectoncentration in the ICSA Solution Form IV?	G/KG) tive	[]		
	ACTION: If yes, apply the following action all samples analyzed between a prev technically acceptable analysis of ICS and a subsequent technically ac analysis of the ICS in the analytic	ious . the ceptable			
•	Flag (J) as estimated only sample result	lts ≥MDL			

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YES NO N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 1.50%. If the ICSAB recovery falls within 50-79%, qualify sample results ≥ MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of ±CRQL of the true/established mean value?

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results > MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

SOP: HW-2	Revision 13	Appendix A.1	Se	ept. 20	006
			YES	<u>NO</u>	N/A
A.1.16.3.3	ICSAB Solution For ICP-MS, are all analyte in ICSAB within the control 80-120% of the true/establi value, whichever is greater	limits of shed mean	[]		<u></u>
	ACTION: If no, apply the following samples reported from the as				
	Flag (J) as estimated those sample results ≥ MDL for whomanalyte recovery is greater ≤ 150%. If the ICSAB recovery 50-79% flag (J) as estimated sample results ≥ MDL. Reject those all sample detects and which the ICSAB analyte recovery is abound red-line only detects (2)	ich the ICSAB than 120% but ry falls within d the associated t (R) and red-line d non-detects for overy is less than ve 150%,reject (R)			
	Spiked Sample Recovery: Pre- Note:Not required for Ca, Mg, K,				
4.1.17.1	Was Matrix Spike analysis pe	erformed:			
	For each matrix type?		[]	********	
A.1.16.3.3 A.1.17	For each SDG?		[]		
	On one of the SDG samples?		[]		
	For each concentration range (i.e.,low, med., high)?		· [<u>/</u>]		
	For each analytical Method (ICP-AES,ICP-MS, Hg, CN)used	?	[<u>V</u>]		
	Was a spiked sample prepared analyzed with the SDG sample		[<u>√</u>] .		
i e f	ACTION: If no for any of the above, estimated(J)all the positive for which a spiked sample was analyzed.	data			

NOTE:

If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

SOP: HW	7-2 Revision 13 A	ppendix A.1	S	ept. 2006
			YES	NO N/A
A.1.17.2	Was a field blank or PE sampl for the spiked sample analysi		**********	<u>[]</u>
	ACTION: If yes, flag (J) as estimated data of the associated SDG sa which field blank or PE sampl for the spiked sample analysi	mples for e was used		
A.l.17.3	Circle on each Form VA all spirecoveries that are outside the control limits (75-125%) that sample concentrations less the times the added spike concentrations.	he have an four		
	Are all recoveries within the control limits when sample concentrations are less than equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.	or	· ()	
	Are results outside the contro (75-125%) flagged with Lab Qual on Form I's and Form VA? ACTION:		()	
	If no for any of the above, wr the Contract - Problems/Non-Co Section of the Data Review Nar	mpliance		
.1.17.4	Aqueous			
	Are any spike recoveries:			
	(a) less than 30%?			<u></u>
	(b) between 30-74%?		[1
	(c) between 126-150%?			<u></u>
	(d) greater than 150%?		{	
	ACTION: If the matrix spike recovery is 30%, reject (R) and red-line all aqueous data (detects & non-det between 30-74%, qualify all ass aqueous data > MDL as "J" and n	associated ects). If ociated		

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			YES	NO N/A	
		26-150%, flag (J) . If greater than 150%, ne all associated data ≥	MDL.	·	
	(NOTE: Replace "N" with	"J", "R" as appropriate.)			
A.1.17.5	Soil/Sediment				
	Are any spike recover:	les:			
	(a) less than 10%?			(<u></u>	
	(b) between 10-74%?			[]	
	(c) between 126-200%?		_	[]	
	(d) greater than 200%?	Jote were not required by your		(
	ACTION: If yes for any of the as follows:	above, proceed	fund	judgiet.	
	(R) and red-line all a	d red-line all tts & non-detects); ify all associated non-detects as "UJ"; lag (J) all associated reater than 200%, reject			
.1.18	Lab Duplicates) - For	m VI			
.1.18.1	Was the lab duplicate	analysis performed:			
	For each SDG?		[]	<u> </u>	
	On one of the SDG samp	les?	. []	<u> </u>	
	For each matrix type?		[]	<u> </u>	
	For each concentration (low or med.)?	range	()	✓ _	
	For each analytical Met (ICP-AES/ICP-MS,Hg,CN)U		[]	<u> </u>	
	Was a lab duplicate pre analyzed with the SDG s		[]	<u> </u>	

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SOP: HW-	2 Revision 13	Appendix A.1	S	ept. 2	006 .
			YES	NO	N/A
	ACTION: If no for any of the above estimated all the SDG samp (detects & non-detects) fo duplicate analysis was not	ole results or which the lab			
	NOTE: If more than one lab duplicate swere analyzed for an SDG, then quithe associated samples based on worst lab duplicate analysis.	_{[ualify}			·
	Was a Field Blank or PE san for the Lab Duplicate analy			[]	
	ACTION: If yes, flag as estimated SDG sample results (hits & for which Field Blank or Eused for duplicate analysi	non-detects) PE sample was			
	Circle on each Form VI all that are:	values			
	RPD > 20%, or				
	Absolute Difference > CRQL				
	Are all values within contrlimits (RPD \leq 20% or absoludifference \leq \pm CRQL)?		[]		
	If no, are all results outs control limits flagged with (Lab Qualifier) on Form VI a all Form I's?	an "*"	[]		
	ACTION: If no, write in the Contraction of the Review Narrative.				
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.				
.1.18.4	Aqueous				

A.1.18.4.1 When sample and duplicate values are both

> 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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SOP: HW-	Revision 13	Appendix A.1		Sept. 20	006
			YES	МО	N/A
	is any RPD > 20% but	< 100%?	-	[]	_
	is any RPD \geq 100%?			[]	
	ACTION: If the RPD is > 20% by flag (J) as estimated sample data > CRQL. It > 100%, reject (R) and associated sample data (NOTE:Replace "*" with "J"	the associated f the RPD is d red-line the a > CRQL.			
A.1.18.4.2	When the sample and/or <5xCRQL (substitute MDL is the absolute differ and duplicate values:	for CRQL when MDL >CRQL),			
	> ± CRQL?			[]	_
	> <u>+</u> 2xCRQL?			[]	_
	calculate the absolute d	the associated but < 5xCRQL as "J" ". If the absolute , reject (R) and iated non-detects < 5xCRQL.	CRQL		
.1.18.5	Soil/Sediment				
	When sample and duplicate both \geq 5xCRQL (substance of the SCRQL),				
	is any RPD \geq 35% but <	120%?		· []	_
	is any RPD ≥ 120%?	,		[]	
	<u>ACTION:</u> If the RPD is ≥ 35% and (J) as estimated the as				

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	data > CRQL. If the RPD (R) and red-line the ass data > CRQL.			YES	<u>NO</u>	<u>N/A</u>
A.1.18.5,2	When the sample and/or .<5xCRQL(substitute MDL for is the absolute differe and duplicate:	or CRQL when MDI	L > CRQL),			
	> <u>+</u> 2 x CRQL?		•		[]	
	> <u>+</u> 4 x CRQL				[]	
	ACTION: If the absolute different flag all the associated but < 5xCRQL as "J" and If the absolute different (R) and red-line all the and detects > MDL but <5	sample result non-detects a nce is > 4xCRQ associated n	s ≥ MDL s "UJ". L, reject			
	NOTE: 1. Replace "*" with "J", "UJ"					

- 2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

Field Duplicates A.1.19

Aqueous Field Duplicates

Was an aqueous Field Duplicate pair A.1.19.1 collected and analyzed? (Check Sampling Trip Report)

ACTION:

If yes, prepare a Form (Appendix A.4) for each . aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

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SOP: I	IW-2	Revision	13	Aŗ	pendix A	. 1		Sept.	. 200	06	
							YES	<u>ио</u>	1	<u>1/A</u>	
		QC criteria	stated in	Section	s A.1.19.2	and A.	1.19.3.				
		between the v	ulate RPD whe DL for CRQL w	n both va hen MDL > the othe absolute and the M	lues are nor CRQL. r value is difference DL, and use						
A.1.19.		Circle all v for Field Du				A.4)					
	F	RPD <u>></u> 20%	or								
	I	oifference >	+ CRQL								
	þ	Then sample a both ≥5xCRQL DL > CRQL),						,		_	•
	i	s any RPD >	20%?					[_}	/	_
	i	s any RPD ≥	100%?					[_]	/	
	I t r a:	CTION: f the RPD is he associate esults > CRQ nd red-line ield Duplica	ed sample a OL. If the only the a	nd its RPD is ssociate	Field Dupl ≥ 100%, re	icate ject(R)					
.1.19.3	<br i	nen the samp 5xCRQL (subst s the absolu nd duplicate	titute MDL f te differe	for CRQL	when MDL >	CRQL),					
	>	+ CRQL?						[]		/
	>	<u>+</u> 2 x CRQL?						[_}		
	If fl an	TION: the absoluage detects and non-detects are considered as 2xCRQL, referenced.	\geq MDL but $<$ ts as "UJ".	< 5xCRQL . If the	as "J" e differen						•

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SOP: HW-2 Revision 13 Appendix A.1 Sept. 2006 NO N/Aand results > MDL but <5xCRQL of the sample and its Field Duplicate. Soil/Sediment Field Duplicates Was a soil field duplicate pair A.1.19.4 collected and analyzed? (Check Sampling Trip Report) ACTION: If yes, for each soil Field Duplicate pair proceed as follows: Prepare Appendix A.4 for each Field Duplicate pair. Report on Appendix A.4 all sample and its Field Duplicate results in MG/KG from their respective Form I's. Calculate and report RPD when sample and its duplicate values are both greater than 5xCRQL. Calculate and report the absolute difference when at least one value (sample or duplicate) is < 5xCRQL. Evaluate the Field Duplicate analysis in accordance with the QC Criteria stated in Sections A.1.19.5 and A.1.19.6. NOTE: 1. Do not transfer "*" from Form I's to Appendix A.4. 2. Do not calculate RPD when both values are non-detects. 3. Substitute MDL for CRQL when MDL > CRQL. 4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and apply the criteria to qualify the results. Circle on each Appendix A.4 all A.1.19.5 values that have: RPD > 35%, or Difference > ± 2xCRQL When sample and duplicate values are both > 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is any RPD > 35% but < 120%? is any RPD ≥ 120%?

ACTION:

If the RPD is \geq 35% but < 120%,

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		icate results	<u>YES</u>	NO N/A	
A.1.19.6	<5xCRQL (substitute	N/or duplicate value(s) MDL for CRQL when MDL > CRQL), ference between sample			
	$\Rightarrow \pm 2 \times CRQL$?				
	> <u>+</u> 4 x CRQL?			[]	
	Sample and its Fiel but <5xCRQL as "J" If the difference i red-line non-detect	ference is > 2xCRQL, flag d Duplicate resuts > MDL and non-detects as "UJ". s >4xCRQL, reject(R) and s and detects > MDL but le and its Field Duplicate.			
<u>4</u> .1.20	Laboratory Control	Sample (LCS)- Form VII			
4.1.20.1	Was one LCS prepared	d and analyzed for:			
	Each SDG?	•	[]		
	Each matrix type?		[]		
	Each batch samples of For each Method(ICP- used?				
	Was an LCS prepared the samples? ACTION: If no for any of the Telephone Record Log CLP PO or TOPO for sults. Flag (State of the data for which a analyzed.	e above, prepare g and contact submittal of the U) as estimated all	()		
	NOTE: If only one LCS was anal	yzed for			

Standard Operating Procedure

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program

Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13	Appendix A.1		Sept. 2	006
	more than 20 samples, then the fir 20 samples analyzed are not flagge but all additional samples must be qualified (J) .	d(J),	<u>YES</u>	<u>NO</u>	<u>N/A</u>
A.1.20.2	Aqueous LCS				
	Circle on each Form VII the recoveries outside control l				
	NOTE: 1.Use digested ICV as LCS fo 2.Use distilled ICV as LCS f				
	Is any LCS recovery:				
	Less than 50%?			\angle	
	Between 50% and 79%?				
	Between 121% and 150%?			[]	
	Greater than 150%?		 .	[]	
	ACTION: If the LCS recovery is less treject (R) and red-line all a sample data (detects & non-de a recovery between 50-79%, fl as "J" all non-detects as "UJ recovery is between 121-150%, detects as "J". if the recover than 150%, reject (R) and red	ssociated tects); for ag detects ". if the LCS flag only ry is greater		. /	
.1.20.3	Solid LCS				
	If an analyte's MDL is equal to greater than the true value of disregard the "Action" below for analyte even though the LCS is control limits.	LCS, for that			•
	Is the LCS "Found" value great than the Upper Control Limit reported on Form VII?	er	***********	[<u></u>	-

ACTION:

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13 A	Appendix A.1	Se	ept. 200	6
	If yes, flag (J) all the ass detects \geq MDL as estimated (<u>YES</u>	<u>NO N</u>	/A
	Is the LCS "Found" value low than the Lower Control Limit reported on Form VII?	er		[_]	
	ACTION: If yes, flag detects as "J" a non-dectes as "UJ".	and			
A.1.21	ICP-AES/ICP-MS Serial Dilu NOTE:Serial dilution analysis is re when the initial concentration is e greater than 50 x MDL.	quired only			
A.1.21.1	Was a Serial Dilution analysi performed:				
	For each SDG?		[_]		
	On one of the SDG samples?		$[\underline{\angle}]$		
	For each matrix type?		$[\mathcal{L}]$		·
	For each concentration range (low or med.)?		[]		
	Was a Serial Dilution sample analyzed with the SDG samples	?			
·	ACTION: If no for any of the above, f as estimated (J) detects > MD all the SDG samples for which ICP Serial Dilution Analysis not performed.	L of the			
.1.21.2	Was a Field Blank or PE sample for the Serial Dilution Analys			(<u>/</u>) _	
	ACTION: If yes, flag as estimated (J) MDL of all the SDG samples	detects			

Circle on Form VIII the Percent Differences

(%D) between sample results and its dilution results that are outside the control limits \pm 10%

A.1.21.3

Standard Operating Procedure

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program

Data Assessment and Contract Compliance Review

SOP: HW-	Revision 13	Appendix A.1	St	ept. 2006	
	when initial concentration	s ≥ 50 x MDLs.	YES	NO N/A	
	Are results outside the collimits flagged with an "E" on Form VIII and all Form	(Lab Qualifier)	[]		
	ACTION: If no, write in the Contraction Non-Compliance Section of the Review Narrative.				
A.1.21.4	Are any %D values:				
	> 10%?			[_]	
	≥ 100%?			[]	
	ACTION: If the Percent Difference (greater than 10%, flag (J) all associated samples whos if the %D is ≥ 100%, rejectall associated samples with	as estimated se raw data > MDL; st (R) and red-line			
	(NOTE:Replace "E" with "J" or	"R" as appropriate.)			
1.1.22	Total/Dissolved or Inorgani	c/Total Analytes			
a.1.22.1	Were any analyses performed dissolved as well as total on the same sample(s)? Were any analyses performed inorganic as well as total on the same sample(s)?	analytes			
	ACTION: If yes, prepare a Form (Appeto compare the differences has dissolved (or inorganic) and analyte concentrations. Compatible of the total analyte only when the following conditions are	petween total oute each as a percent den both of			
	(1) The dissolved(or inorgan is greater than total conce (2) greater than or equal to	entration, and			
	Is any dissolved (or inorgan concentration greater than i	ts	ſ	,	

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13	Appendix A.1	Se	ept. 2006	
			YES	NO N/A	
A.1.22.3	Is.any dissolved(or ino concentration greater t total concentration by	than its			
	ACTION: If the percent different han 20%, flag (J) both and total concentration the difference is more and red-line both the value.	dissolved/inorganic s as estimated. If than 50%, reject (R)			
A.1.23	Field Blank - Form I NOTE: Designate "Field Bl	ank" as such on Form I	,		
A.1.23.1	Was a Field/Rinsate Bank and analyzed with the SI		[]		
	If yes, is any Field/Rin absolute value of an ana greater than its CRQL(or	alyte on Form I	_		
	If yes, circle the Field on Form I that is greate CRQL, (or 2 x MDL when MDL >	er than the			
	Is any Field Blank value than CRQL also greater t Preparation Blank value?	than the		[]	
ć	If yes, is the Field Bla (> CRQL and > the prep. already rejected due to criteria?	blank value)	[]		

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result > MDL but < CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

positionate operating reoccours

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1	S	ept. 2	2006
	results due to the Fi NOTE: 1. Field Blank result preduce to other criteria of qualify field samples. 2. Do not use Rinsate Blank	viously rejected cannot be used to	YES	<u>NO</u>	N/A
A.1.24		umental Parameters - Forn	n IX, XA,	XB, XI	
A.1.24.1	Is verification repor	t present for:			
	Method Detection Limi	ts (Form IX-Annually)?	[]		<u> </u>
	ICP-AES Interelement (Form XA & XB -Quarte:		[]		
	ICP-AES & ICP-MS Lines (Form XI-Quarterly)?	ar Ranges	[]		
	<u>ACTION</u> : If no, contact CLP PO, submittal from the lab				
1.1.24.2	Method Detection Limits	s - Form IX			
1.1.24.2.	l Are MDLs present on Fo	orm IX for:			
	All the analytes?		[]		
	All the instruments us	ed?	[]		
	Digested and undigeste samples and Calib.Blan		<u>/</u>		
	ICP-AES and ICP-MS when instruments are used for same analyte?		[]		_
	ACTION: If no for any of the al	nove prepare			•

If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/.

Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13	Appendix A.1	Se	ept. 2006	
A.1.24.2.2	Is MDL greater than for any analyte?	the CRQL	YES	<u>NO N/A</u> []	
	If yes, is the analyte on Form I greater the the sample analyzed of whose MDL exceeds CRO	an 5 x MDL for on the instrument	[]	<u></u>	
	ACTION: If no, flag as estimate values less than five the analyte whose MDI	e times MDL for			
A.1.24.3	Linear Ranges - Form	XI			
A.1.24.3.1	Was any sample result the high linear range or ICP-MS?	higher than for ICP-AES		[<u>\</u>	
	Was any sample result the highest calibrati for mercury or cyanid	on standard			
	If yes for any of the the sample diluted to result reported on Fo	obtain the	[]		•
	ACTION: If no, flag (J) as es affected detects (> M on Form I.				
A.1.25	ICP-MS Tune Analysis	- Form XIV			
A.1.25.1	Was the ICP-MS instrutuned prior to calibr		[]		
	ACTION: If no, reject (R) and sample data for which performed.	red-line all tuning was not			
	Was the tuning solutior scanned at least for consecutively?	on analyzed ive times	[]		
	Were all the required spanning the analytic present in the tuning	al range	[]		
	Was the mass resolution	on within		•	

SOP: HW-	2 Revision 13	Appendix A.1	<u></u>	Sept. 2006	
<u> </u>			<u>YES</u>	NO N/A	
0.l amu	for each isotope in the tuning solution?		[]	· <i></i>	·
	Was %RSD less than 5% f isotope of each analyte tuning solution?		[]		
	ACTION: If no for any of the aboal results > MDL associated "J", associated with that Turk	iated with that and all non-detects			
A.1.26	ICP-MS Internal Standard	ls - Form XV			
A.1.26.1	Were the Internal Standa to all the samples and a samples and calibration (except the Tuning Solut	ll QC standards	[]		
	Were all the target anal masses bracketed by the of the five internal sta	masses	[]		
	ACTION: If none of the Internal added to the samples, re red-line all the associa (detects & non-detects). standards were used but the analyte masses, rejeonly the analyte results the internal standard ma	ject (R) and ted sample data If internal did not cover all ct (R) and red-line not bracketed by			
A.1.26.2	Was the intensity of an Standard in each sample of the intensity of the Standard in the calibrat:	within 60-125% same Internal	[]		
	If no, was the original stands sample re-analyzed?		[]		
	Was the %RI for the two f within the acceptance lim		[]		
	ACTION: If no for any of the above as "J" and non-detects "U analytes with atomic mas	J" of all the			
	atomic mass of the intern	al standard lighter			

SOP: HW-2	Revision	13 Append	lix A.2	Sept. 2006
than the	atomic ma	nternal standard, and t ass of the internal sta affected internal stan	ndard heavier	
A.1.27	Percent S	olids of Sediments		
A.1.27.1	Are perce	nt solids in sediment(s):	
	< 50%?		-	
	non-detec	ualify as estimated (J ts of a sample that ha 50%(i.e.,moisture conte	s percent solids	
	that were no	y the sample results ot previously flagged r QC criteria.		
	٠	•		
T	! - D-+- D	and are Managarian		·
Lnorgani	LC Data R	<u>eview Narrative</u>		
Case#		Site:	Matri	x: Soil
SDG#		Lab:		Water
Sampling T	'eam:	Reviewer:		Other
				
The			oplied in red by the	he data validator and must
J -		This flag indicates th	ne result qualified	d as estimated
R and	Red-Line -	The red-lined data ar	e known to contain	t indicates unusable value. significant errors based or used by the data user.
u -		This data validation > MDL when associated	qualifier is appli blank is contamin	ed to sample results ated
Fully	Usable Data	- The results that usable.	do not carry "J"	or "red-line" are fully
	ratory Qual LP laborato	<u>ifiers</u> : ory applies a contractu	ual qualifier on al	11

Site: Glen Isle

Laboratory: Test America Buffalo, NY

Report No.: 480-55157-1

Reviewer: Christina Rink and Josephine Go /Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date: April 16, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-048-0-2	480-55157-1	SVOC, Pesticides
CC-C-048-4-6	480-55157-3	SVOC, Pesticides
CC-C-048-8-10**	480-55157-4	SVOC**, Pesticides**
CC-C-049-2-2	480-55157-5	SVOC, Pesticides
CC-C-049-2-4	480-55157-6	SVOC, Pesticides
CC-C-049-8-10	480-55157-7	SVOC, Pesticides
CC-C-050-0-2	480-55157-8	SVOC, Pesticides
CC-C-050-2-4**	480-55157-9	SVOC, Pesticides**
CC-C-050-8-10	480-55157-10	SVOC, Pesticides
DUP027	480-55157-11	SVOC, Pesticides
CC-C-051-0-2**	480-55157-12	SVOC**, Pesticides**
CC-C-051-2-4	480-55157-13	SVOC, Pesticides
CC-C-051-8-10	480-55157-14	SVOC, Pesticides
CC-C-052-0-2**	480-55157-15	SVOC**, Pesticides**
CC-C-052-2-4	480-55157-16	SVOC, Pesticides
CC-C-052-8-10	480-55157-17	SVOC, Pesticides
LT-G-026-0-2	480-55157-18	SVOC, Pesticides
LT-G-026-4-6	480-55157-19	SVOC, Pesticides
LT-G-026-6-8	480-55157-20	SVOC, Pesticides
LT-G-027-0-2	480-55157-21	SVOC, Pesticides
LT-G-027-2-4**	480-55157-22	SVOC**, Pesticides**
LT-G-027-8-10	480-55157-23	SVOC, Pesticides
LT-C-053-0-2	480-55157-24	SVOC, Pesticides
LT-C-053-4-6	480-55157-25	SVOC, Pesticides
LT-C-053-6-8**	480-55157-26	SVOC, Pesticides**
LT-C-054-0-2	480-55157-27	SVOC, Pesticides
LT-C-054-2-4	480-55157-28	SVOC, Pesticides
LT-C-057-0-2	480-55157-29	SVOC, Pesticides
LT-C-057-2-4	480-55157-30	SVOC, Pesticides
LT-C-057-6-8	480-55157-31	SVOC, Pesticides
FB028	480-55157-32	VOC, SVOC, Pesticides
TB	480-55157-33	VOC
LT-G-030-0-2**	480-55157-34	VOC**

Samples Reviewed and Evaluation Summary (continued)

LAB ID	FRACTIONS VALIDATED
480-55157-3MS	SVOC, Pesticides
480-55157-3MSD	SVOC, Pesticides
480-55157-28MS	SVOC, Pesticides
480-55157-28MSD	SVOC, Pesticides
	480-55157-3MS 480-55157-3MSD 480-55157-28MS

Associated QC Samples(s):

Field/Trip Blanks: F.

FB028, TB

Field Duplicate pair:

CC-C-050-8-10 and DUP027

The above-listed soil and water samples were collected on February 21, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exception listed below.

The SVOC nondetect results for benzylaldehyde in samples CC-C-048-8-10**, CC-C-051-0-2**, CC-C-052-0-2**were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	IC RRF	Associated Samples		Validation Action
2/25/14					vv	
2/25/14	F6606	Bromomethane	29.9	LT-G-030-0-2**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- += Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

	Instrument		CC			
Date	ID	Compound	%D	Associated Samples		Validation Action
3/3/14	U3938	Diethylphthalate	20.2	LT-G-027-2-4**	XX	UJ nondetects
3/3/14	X0088121	Hexachlorocyclopentadiene	28.6	CC-C-048-8-10**	XX	UJ nondetects
				CC-C-051-0-2**		
				CC-C-052-0-2**		
3/3/14	X0088121	Indeno(1,2,3-cd)pyrene	24.7	CC-C-048-8-10**	XX	J detects
		Benzo(g,h,i)perylene	23.3	CC-C-051-0-2**	XX	J detects
				CC-C-052-0-2**		
3/3/14	X0088121	Dibenzo(a,h)anthracene	20.5	CC-C-048-8-10**	XX	J detects
3/3/14	X0088121	Dibenzo(a,h)anthracene	20.5	CC-C-051-0-2**	XX	UJ nondetects
				CC-C-052-0-2**		_
3/3/14	X0088122	Benzaldehyde	99.8	CC-C-048-8-10**	XXX	R nondetects
				CC-C-051-0-2**		
				CC-C-052-0-2**		

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- += Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as estimated (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzylaldehyde in samples CC-C-048-8-10**, CC-C-051-0-2**, CC-C-052-0-2**were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
1/7/14	25_65064	RTX-CLP2	Toxapene		LT-G-027-2-4** LT-C-053-6-8**	XX	UJ nonddetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 and trip blank TB for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Methylene chloride	0.65 ug/L	<2x RL	LT-G-030-0-2**
ТВ	Acetone	6.7 ug/L	<2x RL	FB028 LT-G-030-0-2** (2x)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect or greater than the action level.

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Glen Isle, NYSDEC, Project Number: RWI1401

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Di-n-butylphthalate	0.51 ug/L	<rl< th=""><th>CC-C-048-0-2</th></rl<>	CC-C-048-0-2
		_		CC-C-048-4-6
				CC-C-048-8-10**
				CC-C-049-2-2
				CC-C-049-2-4
				CC-C-049-8-10
				CC-C-050-0-2
				CC-C-050-2-4
				CC-C-050-8-10
				DUP027
				CC-C-051-0-2**
				CC-C-051-2-4
				CC-C-051-8-10
				CC-C-052-0-2**
				CC-C-052-2-4
				CC-C-052-8-10
				LT-G-026-0-2
				LT-G-026-4-6
	:			LT-G-026-6-8
				LT-G-027-0-2
				LT-G-027-2-4**
				LT-G-027-8-10
				LT-C-053-0-2
				LT-C-053-4-6
				LT-C-053-6-8
				LT-C-054-0-2
				LT-C-054-2-4
				LT-C-057-0-2
				LT-C-057-2-4
				LT-C-057-6-8

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167614/1-A	delta-BHC	0.456 ug/Kg	<rl< td=""><td>CC-C-050-2-4**</td></rl<>	CC-C-050-2-4**
				CC-C-052-8-10
				LT-G-026-4-6
				LT-G-026-6-8
MB 480-167812/1-A	delta-BHC	0.570 ug/Kg	<rl< td=""><td>CC-C-048-0-2</td></rl<>	CC-C-048-0-2
	gamma-Chlordane	0.641 ug/Kg	<rl< td=""><td>CC-C-048-4-6</td></rl<>	CC-C-048-4-6
				CC-C-048-8-10**
				CC-C-049-2-2
				CC-C-049-2-4
				CC-C-049-8-10
	·			CC-C-050-0-2
				CC-C-050-8-10
				DUP027
				CC-C-051-0-2**
				CC-C-051-2-4
				CC-C-051-8-10
				CC-C-052-0-2**
				CC-C-052-2-4
				LT-G-026-0-2
				LT-G-027-0-2

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and < the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-050-8-10	delta-BHC	0.64 ug/Kg	1.9U ug/Kg
	gamma-Chlordane	1.0 ug/Kg	1.9U ug/Kg
DUP027	delta-BHC	0.77 ug/Kg	2.0U ug/Kg
	gamma-Chlordane	1.4 ug/Kg	2.0U ug/Kg
LT-G-027-0-2	gamma-Chlordane	1.1 ug/Kg	1.9U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blanks FB028 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples CC-C-048-0-2, CC-C-048-4-6, CC-C-048-8-10**, CC-C-049-2-2, CC-C-049-2-4, CC-C-049-8-10, CC-C-050-0-2, CC-C-051-0-2**, CC-C-051-2-4, CC-C-051-8-10, CC-C-052-0-2**, CC-C-052-2-4, LT-G-026-0-2, LT-G-027-2-4**, LT-C-053-0-2, LT-C-053-6-8**, and LT-C-054-0-2. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples CC-C-048-4-6 and LT-C-054-2-4 for SVOC. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Bis(2-ethylhexyl)phthalate	-	155 (61-133)	18 (≤15)	CC-C-048-4-6	None
Pyrene	167 (51-133)		1	CC-C-048-4-6	J detects

⁻ Within control limits

The pyrene results may be biased high. The results can be used for project objectives as estimated (J) which may have a minor impact on the data usability.

Validation action was not required for bis(2-ethylhexyl)phthalate due to high MS/MSD recoveries and high RPD as positive results only are affected and this compound was not detected in the associated samples.

Pesticide

MS/MSD analyses were performed on samples CC-C-048-4-6 and LT-C-054-2-4 for pesticide. All criteria were met.

LCS Results

VOC and SVOC

All criteria were met.

Pesticide

The following table lists the compounds recovered outside of control limits in the persticide analyses and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
LCS/D 4180-167536/2,3-A	Endrin aldehyde	136 (46-134)	139 (46-134)	-	FB028	None

⁻ Within control limits

Validation action was not required for Endrin aldehyde due to high LCS/LCSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Internal Standards

VOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions.

		Area Exceedances	Affected	
Sample	Internal Standard	(Limits)	Compounds	Validation actions
CC-C-048-8-10**	Chrysene-d12	193158 (236732-946928)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
			Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects
CC-C-051-0-2**	Chrysene-d12	175380 (236732-946928)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
	Perylene-d12	133014 (139826-559302)	Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects
			Benzo(b)fluoranthene	J detects/UJ nondetects
Ï			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects

Glen Isle, NYSDEC, Project Number: RWI1401

,	Ţ	Area Exceedances	Affected	
Sample	Internal Standard	(Limits)	Compounds	Validation actions
CC-C-052-0-2**	Chrysene-d12	172934 (236732-946928)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
			Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects
LT-G-027-2-4**	Chrysene-d12	118407 (164223-656892)	3,3'-Dichlorobenzidine	J detects/UJ nondetects
	Perylene-d12	74756 (119757-479028)	Benzo(a)anthracene	J detects/UJ nondetects
			Chrysene	J detects/UJ nondetects
			Bis(2-ethylhexyl)phthalate	J detects/UJ nondetects
			Di-n-octylphthalate	J detects/UJ nondetects
			Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

Samples CC-C-050-8-10 and DUP027 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

	Concentrat	ion (ug/Kg)	RPD	Difference	
Compound	CC-C-050-8-10	DUP027	(Limits)	(Limits)	Action
2-Methylnaphthalene	4.6	5.3	-	0.7 (≤400)	-
Acenaphthene	5.1	9.9	-	4.8 (≤400)	-
Acenaphthylene	200U	7.7	-	192.3 (≤400)	
Anthracene	13	23	-	10 (≤400)	-

Glen Isle, NYSDEC, Project Number: RWI1401

	Concentration (ug/Kg)		RPD	Difference	
Compound	CC-C-050-8-10	DUP027	(Limits)	(Limits)	Action
Benzo(a)anthracene	54	72		18 (≤400)	-
Benzo(a)pyrene	54	72	-	18 (≤400)	-
Benzo(b)fluoranthene	63	81	-	18 (≤400)	-
Benzo(g,h,i)perylene	45	58	-	13 (≤400)	
Benzo(k)fluoranthene	45	51	-	6 (≤400)	•
Carbazole	200U	8.5	-	191.5 (≤400)	-
Bis(2-ethylhexyl)phthalate	980	200U	-	780 (≤400)	-
Chrysene	62	82	-	20 (≤400)	-
Dibenzofuran	200U	5.2	-	194.8 (≤400)	-
Fluoranthene	73	110	-	37 (≤400)	-
Fluorene	200U	13	-	187 (≤400)	-
Indeno(1,2,3-cd)pyrene	46	55	-	9 (≤400)	ı
Naphthalene	11	14	-	3 (≤400)	1
Phenanthrene	48	85	-	37 (≤400)	-
Pyrene	140	190	-	50 (≤400)	-

⁻⁼no action required

For soil results > 5xQL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

<u>Pesticide</u>

	Concentratio	Concentration (ug/Kg)		Difference	
Compound	CC-C-050-8-10	DUP027	(Limits)	(Limits)	Action
4,4'-DDD	1.4	0.69	-	0.71 (≤4.0)	
4,4'-DDE	1.6	1.8	-	0.2 (≤4.0)	-
4,4'-DDT	1.9	4.9	-	3.0 (≤4.0)	-
delta-BHC	0.64	1.77	-	0.13 (≤4.0)	-
Dieldrin	1.9U	1.0	-	0.9 (≤3.8)	_
Endrin	1.9U	0.70	-	0.2 (≤3.8)	_
gamma-Chlordane	1.0	1.4	-	0.4 (≤4.0)	-
Methoxychlor	1.9U	2.8	-	0.9 (≤3.8)	-

⁻⁼no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

	VOC Analysis
Sample	Reported
LT-G-030-0-2	2-fold dilution for acetone due to high analyte level

9	SVOC Analysis
Sample	Reported
CC-C-048-0-2	10-fold dilution due to nature of sample matrix
CC-C-048-4-6	
CC-C-049-2-4	
CC-C-051-0-2**	
CC-C-051-2-4	
CC-C-051-8-10	
CC-C-052-0-2**	
CC-C-052-2-4	
LT-G-026-0-2	
LT-C-053-0-2	
LT-C-054-0-2	

	Pesticide Analysis
Sample	Reported
CC-C-048-0-2	50-fold dilution due to nature of sample matrix
CC-C-048-4-6	
CC-C-048-8-10**	
CC-C-049-2-2	
CC-C-049-2-4	
CC-C-050-0-2	
CC-C-051-0-2**	
CC-C-051-2-4	
LT-C-053-0-2	
CC-C-049-8-10	10-fold dilution due to nature of sample matrix
LT-G-027-2-4**	"
LT-C-053-6-8**	
LT-C-054-0-2	
CC-C-051-8-10	20-fold dilution due to nature of sample matrix
CC-C-052-0-2**	
CC-C-052-2-4	
LT-G-026-0-2	
CC-C-052-8-10	5-fold dilution due to nature of sample matrix
LT-G-027-8-10	
LT-C-053-4-6	
LT-C-057-0-2	
LT-C-057-6-8	

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

		RPD	
Sample	Compound	(%)	Validation Actions
CC-C-048-8-10**	4,4'-DDT	48.56	J detects
CC-C-050-2-4**	4,4'-DDD	44.90	J detects
CC-C-050-2-4**	4,4'-DDT	71.52	1.9U ug/Kg
CC-C-051-0-2**	4,4'-DDT	62.54	90U ug/Kg
LT-G-027-2-4**	4,4'-DDE	39.64	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

VALIDATION COMPLETENESS WORKSHEET LDC #: 31445C1a SDG #: 480-55157-1

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Lab	00	ra	itory	/ :_		<u>e</u> :	<u>st</u>	A	m	er	<u>ica,</u>	1	nc.	

Cat A/Cat B

2nd Reviewer

METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	٨	Sampling dates: 2/21/14
11.	GC/MS Instrument performance check	Ā	Not reviewed for Cat A review.
111.	Initial calibration	ASATA	Not reviewed for Cat A review. 2 RSD \leq 262 FY
IV.	Continuing calibration/ICV	, SN	Not reviewed for Cat A review. 2 RSD ≤ 262 r> Not reviewed for Cat A review. COV/+a ≤ 262 IW ≤ 30 R
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	cs
VIII.	Laboratory control samples	Å	ıcs
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL & Results LRL = Juts
XIII.	Tentitatively identified compounds (TICs)	l N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	2	
XVII.	Field blanks	SW	FB=1 TB=2

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected

D = Duplicate

R = Rinsate

FB = Field blank

TB = Trip blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

leve	1 N	Water				
1 1	FB028		11 1	MB 480-167958/8	21	31
2 1	ТВ		12)	-167563/7	22	32
3 ✔	LT-G-030-0-2	* *	13 3	-167750 /2-A	23	33
4 3	LT-G-030-0-2DL	* * (2x)	14		24	34
5		,	15		25	35
6			16		26	36
7			17		27	37
8			18		28	38
9			19		29	39
10	***		20		30	40

Dil due to exceedance

LDC#: 31445 C19

Y N N/A

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page:_	of[
Reviewer:	JVG
2nd Reviewer:	9

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was a continuing calibration standard analyzed at least once every 12 hours for each instrumer

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/25/14	F6606	В	29.9		3 MB 480-167563	
_	2/26/4	\$ 35400)		0.009 5 (z	0,05) 4, MB 480-16.7750	6A (M) J/R/A
_							
-							
		·····					
_							

LDC #	31445	CIA
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METHOD: GC/MS VOA (FPA SW 846 Method 8260C)

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	<u>\</u> of <u>\</u>
Reviewer:_	JVG
2nd Reviewer:_	α

Were targ Blank units: 49 14 As Sampling date: 2 /21	get compounds ssociated sam 1/14	ed in this SDG? detected in the field blanks? ole units:kg / Rinsate / Trip Blank / Other:	Associated Sam	ples: <u>3</u> 4	(NO)	·
Compound	Blank ID	Action lead	Sample Identif	ication		
E	0,65	1.3				

Blank units: 49 /L Associated sample units: 49 /L;

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:

Associated Samples: 1 3 4

to the determine type to the termine the	a blank type: (on one one) i lola blank? i kinoate? The					olatoa oampi		- '		
Compound	Blank ID		****	Sample Identification (either ND or >2x)						
	2	Artin Level								
+	6.7	13,4	·							
	<u> </u>									
·										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #:_	31445	c	16-
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VALIDATION FINDINGS WORKSHEET Compound Quantitation and CRQLs

Page: _	<u> </u> of
Reviewer: _	JVG
2nd Reviewer:	07

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

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ы	lease see.	qualifications	helow for a	anoitzaiin li	answered "N"	Not applicable	a augetione are	e identified as "N/A".
ر .	LOCO CCC	qualificationic	DCIOW IOI G	n quecetono	anowcica it.	. I tot applicable	s questions aix	, identifica as 14/7,

YN N/A
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		3	F	7 Cal range	Juts A
				0	

Comments:	See sample calculation verification worksheet for recalculations		

LDC#: 3144501a

VALIDATION FINDINGS WORKSHEET Overall Assessment of Data

Page: _	<u> </u>
Reviewer:	JV6_
nd Reviewer:	

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All-available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

YN N/A

Was the overall quality and usability of the data acceptable?

	ſ		I			
#	Date	Sample ID	Compound	Finding	Qualifications	
		3	F	7 cel range	Not usable	
]				8		
		4	All except =	dil		
		<u> </u>				
	-					

Comments:	 		<u> </u>	
		 	,	
	 	 		<u> </u>

LDC #: 31445C1a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: ,	_ <u>1_</u> of <u>_2_</u>
Reviewer:	JVG
2nd Reviewer: _	- Q

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
		Calibration			RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound	(IS)	(RRF 25 std)	(RRF 25 std)	(Initial)	(Initial)		
1	ICAL	02/04/14	Acetone	(IS1)	0.5710	0.5710	0.5715	. 0.5715	14.0	13.8
	HP5973S		Ethylbenzene	(IS2)	3.3706	3.3706	3.3482	3.3483	6.4	6.4
			1,1,2,2-TCA	(IS3)	0.9558	0.9558	0.9573	0.9573	4.2	4.2

LDC #: 31445C1a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	2	of	2_
Reviewer:		JV	3
2nd Reviewer: _			O

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs

X = Mean of the RRFs

		Calibration		Reported RRF	Recalculated RRF	Reported Average RRF	Recalculated Average RRF	Reported %RSD	Recalculated %RSD
#	Standard ID	Date	Compound (IS)	(RRF 50 std)	(RRF 50 std)	(Initial)	(Initial)		
1	ICAL	02/11/14	Acetone (IS1)	0.4189	0.4189	0.4710	0.4710	9.9	9.9
	HP5973F		Chiorobenzene (IS2)	2.0858	2.0858	2.0712	2.0712	4.2	4.2
			1,1,2,2-TCA (IS3)	0.8657	0.8657	0.8672	0.8672	5.0	5.0

LDC # <u>31445</u>C1a

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound,

Cx = Concentration of compound,

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound	(IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	f6606	2/25/2014	Acetone	(IS1)	0.4710	0.4164	0.4164	11.6	11.6
			Chlorobenzene	(IS2)	2.0712	1.7885	1.7885	13.6	13.6
			1,1,2,2-TCA	(IS3)	0.8672	0.7801	0.7801	10.0	10.0
2	s35400	2/26/2014	Acetone	(IS1)	0.5715	0.6058	0.6058	6.0	6.0
			Ethylbenzene	(IS2)	3.3482	3.2780	3.2780	2.1	2.1
			1,1,2,2-TCA	(IS3)	0.9573	0.9017	0.9017	5.8	5.8

LDC #: 31995 CIA

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

_ <u>1_</u> of_ <u>1</u> _
_JVG
-Cx

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: ± 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	50,0	56.8	114	114	9
Toluene-d8		47.3	95	95	
Bromofluorobenzene		44.7	89	89	¥

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene			L		

Sample ID:_____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8				<u>,</u>	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:_

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene		····			·

LDC#: 31445 C/a

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration

SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: ____ lcs 480- 167563/6

Compound	A	pike dded (ks.)	Conce	Sample ntration		CS Recovery		SD Recovery		// CSD
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50.8	M	f2.3	NA	85	85				
Trichloroethene		1	45,0	1	90	90				
Benzene			45.1		90	90				
Toluene			40.6		81	81				
Chlorobenzene	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		42.3	8	85	85				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC#: 31445 CIQ

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	<u>1</u> of <u>1</u>
Reviewer:	JVG
2nd reviewer:	CAL

METHOD:	GC/MS VOA (EPA S'	W 846 Method	8260C)
/ > < > 1 > 1 < > . 1 < >	147 11		

Y N N/A Y N N/A Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_s)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

 I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices

Example:

Conc. = (265%)(25)(6 m)(5 m) $(62276)(0.5715)(4.211g^{(0.106 m)}(0.849)$ = 15586

2 1600 ng 1rg

	only.				Т
#	Sample ID	Compound	Reported Concentration (US Kg)	Calculated Concentration ()	Qualification
			1600		
			·		
	-				
		_			

		A Region II C 5 Method 8260 VOA	Date: August 2008 SOP: HW-24, Rev. 2
			YES NO N/A
I.		PACKAGE COMPLETENESS AND DELIVERABI	LES
		ER/ GDG #: 31445C/480-55157- LAB: T	est America Buffalo
SITE	NAME:	Gien Isle	
1.0	<u>Data</u>	Completeness and Deliverables	
	1.1	Has all data been submitted in CLP deli- format or CLP Forms Equivalent?	verable
	ACTIO	ON: If not, note the effect on review the Data Assessment narrative.	of the data in
2.0	Cover	Letter, SDG Narrative	
	2.1	<pre>Is a laboratory narrative, and/or cover signed release present?</pre>	letter
	2.2	Are case number and SDG number(s) conta in the narrative or cover letter?	ined
	ACTIO	ON: If not, note the effect on review the Data Assessment narrative.	of the data in
II.		VOLATILE ANALYSES	
1.0	Trafi	fic Reports and Laboratory Narrative	
	1.1	Are the Traffic Reports, and/or Chain o from the field samplers present for all sign release present?	
	ACTIO	ON: If no, contact the laboratory/samp of missing or illegible copies.	ling team for replacement
	1.2	Is a sampling trip report present (if r	equired)? []
	1.3	Sample Conditions/Problems	

- 6 VOA -

USEPA Region II SW846 Method 8260 VOA

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YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded?

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with NaHSO₄, the maximum holding time is 14 days from sample collection. If

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YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action		
			Detected Associated Compounds	Non-Detected Associated Compounds	
Aqueous	No	≼7 days	No qualifications		
	No	≻ 7 days	J	R	
	Yes ≤14 days		No qualifications		
	Yes	≻ 14 days	1	R	
Non Aqueous	No	≤ 14 days	J	R	
!	Yes	≤ 14 days	No q	ualifications	
	Yes/No	≻ 14 days	J	R	

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

3.0 Surrogate Recovery (CLP Form II Equivalent)

a.	Water	1/1
b.	Soil	<u> </u>

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a.	Water	т <u>ү</u> —	
b.	Soil	1/1	

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

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YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

3.3 Were the surrogate recovery limits followed per Table 2. If Table 2 criteria were not followed, the laboratory may use inhouse performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements.

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

3.4 Were outliers marked correctly with an asterisk?

ц _ _

ACTION: Circle all outliers with a red pencil.

3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2.

If yes, were samples reanalyzed?

Were method blanks reanalyzed?

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YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

- 1. Flag all positive results as estimated ("J").
- Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
- 3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

- Positive results are qualified with ("J").
- 2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

<u>ц</u> _/ _

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 <u>Laboratory Control Sample(Form III/Equivalent)</u>

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

		ion II c hod 8260ø VOA	Date: August 2008 SOP: HW-24, Rev. 2
			YES NO N/A
Note	:	LCS consists of an aliquot of a cl similar to the sample matrix and o volume.	ean (control) matrix f the same weight or
ACTI	ON:	If any <u>Laboratory Control</u> <u>Sample</u> d call the lab for explanation /resuncted in the data assessment.	
4.2		the Laboratory Control Samples ana uency for each of the following mat	
	A.	Water	· · · · · · · · · · · · · · · · · · ·
	В.	Soil	<u> </u>
	c.	Med Soil	Ц
Note	:	The LCS is spiked with the same and concentrations as the matrix spike 9.5). If different make note in different m	(SW-846 8000C, Section ata assessment. d be prepared from re representative of the a minimum, the matrix thene, trichloroethene,
ACTIO	ON:	If any MS/MD, MS/MSD or replicate missing, take the action specified	
4.3		<pre>in house LCS recovery limits been 9.7).</pre>	developed (Method 8000C,
4.4		n house limits are not developed, a ts between 70 - 130% (Method 8000c	
4.5		one or more of the volatile LCS re	

house limits are not present use

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YES NO N/A

f]

Table 3. LCS Actions for Volatile Analysis

Criteria	Action			
	Detected Spiked Compounds	Non-Detected Spiked Compounds		
%R > Upper Acceptance Limit	J	No Qualifiers		
%R < Lower Acceptance Limit	J	ບຸງ		
Lower Acceptance Limit ≤ %R	No Qual	ifications		

5.0 Matrix Spikes(Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III?

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

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YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a.	Water		
b.	Waste		
c.	Soil/Solid	\Box	 /

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment.

Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

- 5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix.
- 5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4.

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

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YES NO N/A

NOTE:

No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note:

The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to he MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note:

In those instances where it can be determine that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note:

The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION:

Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action			
	Detected Spiked Compounds	Non-Detected Spiked Compounds		
%R > Upper Acceptance Limit	J	No Qualifiers		
%R < Lower Acceptance Limit	J	UJ		
Lower Acceptance Limit ≤ %R	No Q	ualifications		

USEPA Region II Date: August 2008 SW846 Method 82608 VOA SOP: HW-24, Rev. 2 YES NO N/A 6.0 Blank (CLP Form IV Equivalent) 6.1 Is the Method Blank Summary form present? 6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? 6.3 Has a method blank been analyzed for each GC/MS system used ? If any blank data are missing, take action as ACTION: specified above (section 3.2). If blank data is not available, reject ® all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data. 6.4 Chromatography: review the blank raw data chromatograms, quant reports or data system printouts. Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? 7.0 Contamination NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below. 7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied

these blanks are multiplied by the sample dilution factor

as described below, the contaminant concentration in

and corrected for percent moisture where necessary.

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YES NO N/A

7.2 Do any field/rinse blanks have positive volatile organic compound results?

/ ___

ACTION:

Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE:

All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION:

Follow the directions in Table 5 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

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Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL*	≥ CRQL	Use professional judgement
		< CRQL	Report CRQL value with a U
Method, Storage, Field,	> CRQL*	<pre></pre>	Report the concentration for the sample with a U, or qualify the data as unusable R
Trip, Instrument**		<pre></pre>	Use professional judgement
		< CRQL	Report CRQL value with a U
	= CRQL*	≥ CRQL	Use professional judgement
	Gross contam- ination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

NOTE:

If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

^{**} Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

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YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample?

<u>_____</u>

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B?

Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

<u>.</u> _ _

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

- 9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?
- 9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

_ _ _

9.3 Has an instrument performance check solution (BFB)

USEPA Region II C SW846 Method 8260% VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

been analyzed for every twelve hours of sample analysis per instrument?(see Table 4, SW-846, page 8260B-36)

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available.

ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

9.4 Have the ion abundance criteria been met for

9.5 Have the ion abundance criteria been met for each instrument used?

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

- 9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.)
- 9.7 Have the appropriate number of significant figures (two) been reported?

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

			ion II C hod 8260/8 VOA	Date: Aug SOP: HW-2	ust 2008 4, Rev. 2	
					YES NO	N/A
10.0	Targe	et An	alytes (CLP Form I Equivalent)			
	10.1	pres	the Organic Analysis reporting forms ent with required header information, for each of the following:			
		a.	Samples and/or fractions as appropr	riate	14 _	
		b.	Matrix spikes and matrix spike dup	licates	П	
		c.	Blanks		14 —	
		d.	Laboratory Control Samples		<u> </u>	
		.7	The second of th		e megnerger a serv	
	10.2 Are the reconstructed Ion Chromatograms, mass specified compounds, and the data system printograms included in the sample package for each following?				ıts (Quant	the
		a.	Samples and/or fractions as approp	riate		
		b.	Matrix spikes and matrix spike dup. (Mass spectra not required)	licates	᠋	_/
		c.	Blanks			
		d.	Laboratory Control Samples		17/_	
	ACTIO	ON:	If any data are missing, take action specified in 3.2 above.	on		
	10.3	Is c	hromatographic performance acceptab	le with		

respect to:

Baseline stability?

USEPA Region II 🗸 SW846 Method 82608 VOA	Date: August 2008 SOP: HW-24, Rev. 2
	YES NO N/A
Resolution?	
Peak shape?	<u> </u>
Full-scale graph (attenuation)?	<u> </u>
Other:	
ACTION: Use professional judgement to the data.	determine the acceptability of
10.4 Are the lab-generated standard mass volatile compounds present for each	-
ACTION: If any mass spectra are missin 3.2 above. If the lab does not spectra, make a note in the Da missing, contact the lab for m	generate their own standard ta Assessment. If spectra are
10.5 Is the RRT of each reported compoun standard RRT in the continuing cali	
10.6 Are all ions present in the standar relative intensity greater than 10% also present in the sample mass spe	(of the most abundant ion)
10.7 Do the relative intensities of the in the sample agree within ± 30% of relative intensities in the referen	the corresponding
ACTION: Use professional judgement to acceptability of data. If it i incorrect identifications were should be rejected ("R"), flag Presumptive evidence of the prompound) or changed to non decalculated detection limit. In	s determined that made, all such data ged ("N") - sesence of the stected ("U") at the

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YES NO N/A

Ш ___

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0	0 Tentatively	Identified	Compounds	(TIC)	(CLP	Form	I/TIC	Equivalent	.)

11.1	If Tentatively Identified Compound were required for this
	project, are all Tentatively Identified Compound reporting forms
	present; and do listed TICs include scan number or retention
	time, estimated concentration and a qualifier?

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

- 11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:
 - a. Samples and/or fractions as appropriate []
 - b. Blanks

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

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YES NO N/A

- 11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)?
- ACTION: 1. Flag with "R" any target compound listed as a TIC.
 - 2. Make sure all rejected compounds are properly reported if they are target compounds.
- 11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?
- 11.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂(M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found?

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

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YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

<u>_____</u>

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

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YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction?

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39)qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050?

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration.

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be < 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

USEPA Region II C SW846 Method 8260% VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

1,1-Dichloroethene

Chloroform

1,2-Dichloropropane

Toluene

Ethylbenzene Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J"

and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and

all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

NOTE: Analytes previously qualified "U" due to blank

contamination are still considered as "hits" when

qualifying for calibration criteria.

14.4 Was the % RSD determined using (RRF) or CF?

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in

section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

USEPA Region II C Date: August 2008 SW846 Method 8260 VOA SOP: HW-24, Rev. 2

YES NO N/A

- 15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest?
- 15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF?

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

- 15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2).
- NOTE: (Method Requirement) For the following CCC compounds, the %D values must be ≤ 20.0%. If %D values reported are > 20.0% document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

USEPA Region II 🗸
SW846 Method 8260g VOA

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the

outlier compound(s) as estimated, "J". When %D is above 90%,

qualify all positive results for that analyte "J" and all

non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? [] ____

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds is section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 <u>Internal Standards (CLP Form VIII Equivalent)</u>

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)?

USEPA Region II C SW846 Method 8260% VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

ACTION: If errors are large or information is missing, take action

as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID IS # Area Lower Limit Area Upper Limit

(Attach additional sheets if necessary.)

- ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 - Do not qualify non-detects when the associated IS are counts area > + 100%.
 - 3. If the IS area is below the lower limit (< -50%), qualify all associated non-detects (Uvalues) "J".
 - 4. If extremely low area counts are reported (< -25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".
- 16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

USEPA Region II C SW846 Method 8260B VOA Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for volatile analysis?

П /_

ACTION: Compare the reported results for field duplicates and

calculate the relative percent difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the Data Assessment. However, if large differences exist, take action

specified in section 3.2 above.

_VALIDATION COMPLETENESS WORKSHEET

LDC #: 31445C2a SDG #: 480-55157-1

Cat A/Cat B

Laboratory: Test America, Inc.

D

Reviewer: 2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270¢)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
J.	Technical holding times	A	Sampling dates: 2/21/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
. 111.	Initial calibration	Á	Not reviewed for Cat A review. 2 RSD 6202 W
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. COV £ 20 & IOV £ 30 &
V.	Blanks	<u> </u>	
VI.	Surrogate spikes	SW.	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	ics /b
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	_SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL - Results - RL = JAct A
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 9,10
XVII.	Field blanks	ŞW	FB = 31

Note: A

A = Acceptable

ND = No compounds detected

D = Duplicate

N = Not provided/applicable SW = See worksheet R = Rinsate FB = Field blank TB = Trip blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

		<u>Soil</u> +	<u> </u>	unter (1)						· · · · · · · · · · · · · · · · · · ·
1	CC-C-048-0-2	(10x)	11	CC-C-051-0-2	(lox)	21	LT-G-027-2-4	* *	31	FB028 W
2	CC-C-048-4-6	(10x)	12	CC-C-051-2-4	(TOX)	22	LT-G-027-8-10		32	CC-C-048-4-6MS
3	CC-C-048-8-10	4	13	CC-C-051-8-10	(lox)	23	LT-C-053-0-2	(lox)	33	CC-C-04 <u>8-4-</u> 6MSD
4	CC-C-049-2-2		14	CC-C-052-0-2	(10x)	24	LT-C-053-4-6		34	LT-C-054-2-4MS
5	CC-C-049-2-4	(lox)	15	CC-C-052-2-4	(Tox)	25	LT-C-053-6-8		35	LT-C-054-2-4MSD
6	CC-C-049-8-10		16	CC-C-052-8-10		26	LT-C-054-0-2	(lox)	36 ¹	MB 480-167618/1-A
7	CC-C-050-0-2		17	LT-G-026-0-2	(lox)	2 7	LT-C-054-2-4		37	-167620/1-A
8	CC-C-050-2-4		18	LT-G-026-4-6		28	LT-C-057-0-2		38 3	- 16 7535/1-4
9	CC-C-050-8-10	Þ	19	LT-G-026-6-8		29	LT-C-057-2-4		39	/
10	DUP027	b	20	LT-G-027-0-2		30 >	LT-C-057-6-8		40	

(bil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	0000.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC#: 31445 (2a

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page: _\of_/ Reviewer: _JVG 2nd Reviewer: \@

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria? Finding %D Finding RRF # Date Standard ID Compound (Limit: <20.0%) **Associated Samples** Qualifications (Limit) 3/63/14 U3938 MB 480-167620 /1-A (ND) J/UJ/A LL 20.2 3/03/4 × 0088/21 28.6 3, 11 14 MB 480-167618/1-A (MD) 24.7 (Oct) JJJ (Det-3) (ND-11 H) 20,5 KKK (Det) 23.3 LLL 99.8 X0088122 LLLL J/R/A (M)

LDC #:	31445	Cza
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VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	l_of <u>_</u>
Reviewer:_	JVG
2nd Reviewer:	01

METHOD: GC/MS BNA (EP/ Y N N/A Were field bl Y/N N/A Were target Plank units: UG /L Asso Sampling date: 2/21/1	lanks identifie	ed in this SDG1	? field blanks?						
Sampling date: $\frac{2/2!}{1!}$ Field blank type: (circle one	YField Blank		ner:	Associate	ed Samples:	All	S (1	~ VD)	
Compound	Blank ID					mple Identificat	tion		
	3)	Action level							
ХХ	0.5)	∠RL							
								-	
		 							 <u> </u>
Blank units: Asso	ciated samp	ole unite:							
Sampling date: Field blank type: (circle one	_		 ner:	Associate	ed Samples:_				
Compound	Blank ID				Sa	mple Identificat	tion		
								<u> </u>	

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #:_	31445	Cza
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VALIDATION FINDINGS WORKSHEET <u>Surrogate Recovery</u>

Page:	<u></u> of
Reviewer:	JVG
2nd Reviewer:	02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

YNHA Were percent recoveries (%R) for surrogates within QC limits?

If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

# Date	Sample ID	Surrogate	%R (Limits)	Qualifications
	2	TPH	164 (65-153)	No puch (only) ant)
			()	
	22		167 ()	
	, , , , , , , , , , , , , , , , , , ,		()	
	25	 	158 ()	
	26		169 ()	
			(69 ()	
	27		(7 (
			()	AL SAPOL.
****	28		154 ()	V
			()	
	31		170 (67-150)	
			()	
			()	
			()	
			()	
		-		
			()	
			()	
			()	
			()	
			()	
			()	
			()	

(NBZ) = Nitrobenzene-d5

(FBP) = 2-Fluorobiphenyl

(TPH) = Terphenyl-d14

(PHL) = Phenol-d5

(2FP)= 2-Fluorophenol

(TBP) = 2,4,6-Tribromophenol

(2CP) = 2-Chlorophenol-d4

(DCB) = 1,2-Dichlorobenzene-d4

LDC #: 31445 (29

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

<u> </u>
JVG
02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an

associated MS/MSD. Soil / Water.

<u>NNA</u> Was a MS/MSD analyzed every 20 samples of each matrix?

Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		32/33	EEE	()	155 (61-133)	18 (15)	2 (10)	Jacts /A
		/	22	167 (51-133)	()	()	(Dets)	
				()	()	()		
				()	()	()		
				()	()	()		
_				()	()	()		
				()	()	()		
				()	()	()		
<u>-</u> +			1	()	()	()		
_				()	()	()		
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LDC#: 31445 (2a

VALIDATION FINDINGS WORKSHEET Internal Standards

Page:_	<u></u> of
Reviewer:	JVG
2nd Reviewer:	a

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". Were all internal standard area counts within -50 to +100 of the associated calibration standard?

YN N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Date	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
		3 (M) + dets)	CRY	193158 (236732 - 946	128)	J/u5/p
		11	CRY PRY	175380 133014 (139826 - 55	,	
		14	CRY	172 934 (236 732-		
		24 · / (Det)	CRY PRY	118467 (164223 - 74756 (119757-		

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8 IS3 (ANT) = Acenaphthene-d10 IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

LDC#:31445C2a

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page: 1_of 1_ Reviewer: JVG 2nd Reviewer: ____

Method: SVOA (EPA SW 846 Method 8270D)

Analyte	Concentrat	ion (µg/Kg)	RPD	Diff.	Diff Limits	Qualifiers
Analyte	9	10	(≤100%)	Dill.	(2xRL)	(Parents Only)
W	4.6	5.3		0.7	(≤400)	
GG	5.1	9.9		4.8	(≤400)	
DD	200U	7.7		192.3	(≤400)	
W	13	23		10	(≤400)	
CCC	54	72		18	(≤400)	
111	54	72		18	· (≤400)	
GGG	63	81		18	(≤400)	
LLL	45	58		13	(≤400)	
ННН	45	51		6	(≤400)	
ww	200U	8.5		191.5	(≤400)	
EEE	980	200U		780	(≤400)	
DDD	62	82		20	(≤400)	
IJ	200U	5.2		194.8	(≤400)	
YY	73	110		37	(≤400)	
NN	200U	13		187	(≤400)	
าาา	46	55		9	(≤400)	
S	11	14		3	(≤400)	
υυ	48	85		37	(≤400)	
ZZ	140	190		50	(≤400)	

LDC #: 31445C2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: JVG
2nd Reviewer: _____

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
		Calibration			RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound (IS)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		
1	ICAL	2/5/2014	Phenol	(IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
	HP5973X		Nitrobenzene	(IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP	(IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene	(IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
	1		Bis(2-ethex)phthalate	(IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene	(IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: 31445C2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 2 of 2
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

					Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
		Calibration			RRF	RRF	Average RRF	Average RRF	%RSD	%RSD
#	Standard ID	Date	Compound (IS	3)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		
1	ICAL	2/14/2014	Phenol	(IS1)	1.8346	1.8346	1.7952	1.7952	9.8	9.8
	HP5973U		Nitrobenzene	(IS2)	0.3508	0.3508	0.3321	0.3321	11.0	11.2
			2,4,5-TCP	(IS3)	0.3817	0.3817	0.3760	0.3760	6.1	6.1
			4,6-Dinitro-2-mp	(IS4)	0.1427	0.1427	0.1282	0.1282	12.0	12.2
			Bis(2-ethex)phthalate	(IS5)	0.9056	0.9056	0.8390	0.8390	9.0	9.0
			Benzo(a)pyrene	(IS6)	1.1156	1.1156	1.0627	1.0627	9.3	9.3

LDC #: 31445 C22

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:_	1	_of_	1	
Reviewer:		JVG	;	
2nd reviewer:			_ 	_
		_		

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID:_

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50,0	43.2	86	86	6
2-Fluorobiphenyl		42.5	85	82	
Terphenyl-d14		58.4	117	117	
Phenol-d5		39,5	79	79	
2-Fluorophenol		36.3	73	73	
2,4,6-Tribromophenol	y	46.6	93	93	1
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 CZa

VALIDATION FINDINGS WORKSHEET <u>Matrix Spike/Matrix Spike Duplicates Results Verification</u>

Page: 1_of 1 Reviewer: JVG 2nd Reviewer: O

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration

SC = Sample concentation

SA = Spike added

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 32/33

Compound	Ad	oike Ided الحم)	Sample Concentration ()	Conce	Sample ntration	Matrix Percent I	Spike Recovery	Matrix Spike Percent R	•	MS/M	
	MS	MSD	8	MS.	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	3570	3620	0	2820	3220	79	79	116 89	89	-36 13	13
N-Nitroso-di-n-propylamine				3498	3670	98	98	101	101	5	5
4-Chloro-3-methylphenol			*	3520	4000	99	99	110	110	3	13
Acenaphthene	<i>y</i>		اعدا	3620	3910	98	9 8	104	104	7	7
Pentachlorophenol	7140	7250	Ď	5110	4830	72	72	67	67	6	4
Pyrene	3570	3620	1700	7650	5890	167	167	116	116	26	24
					_						
					_						

Comments: _:	Refer to Matrix Spik	<u>e/Matrix Spike Du</u>	<u>ıplicates findings v</u>	<u>vorksheet for list of</u>	<u>qualifications and</u>	<u>l associated samp</u>	<u>oles when reported re</u>	<u>esults do not agr</u>	<u>ee within</u>
10.0% of the	recalculated result	S.							
									· · · · · · · · · · · · · · · · · · ·

LDC #: 31445 (2a

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1_of_1_ Reviewer: JVG

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration

SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: <u>VCS 480 _ 167618 /2 _ A</u>

	Spike				LCSD		LCS/LCSD			
Compound		ded (ka_)		Concentration (ソケイにょ)		Percent Recovery		Percent Recovery		PD
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3280	NA.	26 60	WA	४०	80				
N-Nitroso-di-n-propylamine			3210		98	98				
4-Chloro-3-methylphenol			3500		100	106				
Acenaphthene	J		3/70		97	97				
Pentachlorophenol	6570		6870		105	105				
Pyrene	3280	y	3770		115	115				
		-								

Comments:	Refer to Laboratory	Control Sample/Laboratory	Control Sample	 Duplicates finding 	s worksheet for li	ist of qualifications	and associated	samples when
reported resi	ults do not agree with	nin 10.0% of the recalculated	d results.					
-			•					· ·

LDC #: 31445-Cza

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	_ <u>1_</u> of_1_
Reviewer:	JVG
2nd reviewer:	$- \sim$

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y	<u>N</u>	N/A
	N	N/A
(7,	_	

Df

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concer	ntratio	n = $(A_{,})(I_{,})(V_{,})(DF)(2.0)$ $(A_{,s})(RRF)(V_{,})(V_{,})(%S)$	Exar
A_x	=	Area of the characteristic ion (EICP) for the compound to be measured	Sam
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard	
I _s	=	Amount of internal standard added in nanograms (ng)	Con
V_{o}	=	Volume or weight of sample extract in milliliters (ml) or grams (g).	
V_{l}	=	Volume of extract injected in microliters (ul)	-
V.	=	Volume of the concentrated extract in microliters (ul)	

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Dilution Factor.

Sample I.D. 14, Benzis (a) pyrene
Conc. = $(25338)(40)(1ml)(10)(1000)$ (141721)(1.0592)(30.309)(0.892)
= 2498-1

% 2500 ng /kg

			Reported Concentration	Calculated Concentration	
#	Sample ID	Compound	(hg /kg)	Concentration (Qualification
			25000		

	USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4						
		YES NO N/A					
Е -	The concentration of this analyte exceeds th of the instrument.	e calibration range					
А -	Indicates a Tentatively Identified Compound adol-condensation product.	(TIC) is a suspected					
X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.							
I.	PACKAGE COMPLETENESS AND DELIVERABL						
CASE NU	MBER/SOG#: 31445C/480-55157-] LAB: Test ME: Glen Island	Ameria Buffalo					
SITE NA	ME: Glen Island						
1.0 <u>Da</u> 1.	ta Completeness and Deliverables 1 Has all data been submitted in CLP deliverab format?	ole					
AC	format? TION: If not, note the effect on review of the in the data assessment narrative.	ne data					
2.0 <u>Co</u>	ver Letter, SDG Narrative						
2.	<pre>1 Is a laboratory narrative or cover letter present?</pre>	т х — —					
2.	2 Are case number and SDG number(s) contained in the narrative or cover letter?	TX					

	A Region 6 Method	n II d 8270D (Rev.4, January 1998)	Date: Augus SOP HW-22 R	
		-	YES N	O N/A
II.		SEMIVOLATILE ANALYSES		
1.0	Traffic	Reports and Laboratory Narrative		
	1.1 Assamples	re the Traffic Report Forms present for all s?	[文 _	
	ACTION	If no, contact lab for replacement of more illegible copies.	issing	
	ai sa	o the Traffic Reports or Lab Narrative indicated by problems with sample receipt, condition camples, analytical problems or special notate fecting the quality of the data?	of	<u> </u>
	ACTION	If any sample analyzed as a soil, other TCLP, contains 50%-90% water, all data so the flagged as estimated ("J"). If a soil sample, other than TCLP, contains more to 90% water, all non-detects data are qualas unusable (R), and detects are flagged	should l than lified	
	ACTION	If samples were not iced, or if the ice melted upon arrival at the laboratory as cooler temperature was elevated (10°C), all positive results "J" and all non-degrees."	nd the flag	
2.0	Holding	<u>Times</u>		
	de	ave any semivolatile technical holding time: etermined from date of collection to date of collection, been exceeded?	•	
	se da sa	ontinuous extraction of water samples for emivolatile analysis must be started within ays of the date of collection. Soil/sedimentary samples must be extracted within 14 days of collection. Extracts must be analyzed within	nt	

USEPA	Region	ΙΙ			
SW846	Method	8270D	(Rev.4,	January	1998)

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

		(S	ee Traffic Rep	ort)
Sample	Date	Date Lab	Date	Date
Matrix	Sampled	Received	Extracted	Analyzed

			Sample Date Lab	

ACTION:

If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

							e: Augu HW-22	-	
		/	/				YES	NO	N/A
3.0		Surro	ogate Recover	y (Form II/F	<u>Equivalent)</u>				
	3.1	liste		rogate Reco	gate recoveries b very forms (Form trices:				
		a.	Low Water				1		
		b.	Low/Med Soil				\square		
	3.2	appro	o, are <u>all the</u> priate Surroce ach matrix:		<u>isted</u> on the ry Summary forms				
		a.	Low Water				14		
		b.	Low/Med Soil				11/	·	
	ACTIO	: NC	the effect(s) cases the lab) in data as b may have t	unavailable, doc ssessments. In s to be contacted t ry to complete th	ome co			
	3.3	Were	outliers mar	ked correct	ly with an asteri	sk?	1		
		ACTIO	ON: Circle	all outliers	s in red.				
·	3.4	recovered recovered from page	veries out of od blank (Rev very limits. USEPA Nation	specificat iewer should Use surroga al Function ouse limits	l <u>OR</u> acid surrogation for any sampled use lab in house te recovery limited al Guidlines Januare not available (C-24).	le o se ss uary			/
\		Note	Examine	lab in hou	se limits for rea	ason	ablene	ss.	
		If ye	es, were samp	les re-anal	yzed?				/

USEPA Region I SW846 Method 8	I 270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
Were	method blanks re-analyzed?	ш/
ACTION:	If all surrogate recoveries are > 10% but within the base-neutral or acid fraction not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):	
	 Flag all positive results as estima ("J"). 	ited
	 Flag all non-detects as estimated of ("UJ") when recoveries are less that acceptance limit. 	
	3. If recoveries are greater than the acceptance limit, do not qualify no	
	If any base-neutral or acid surrogate har recovery of < 10%:	as a
	1. Positive results for the fraction was surrogate recovery are qualified wi	
	 Non-detects for that fraction shoul qualified as unusable (R) . 	Ld be
NOTE:	Professional judgement should be used to qualify data that have method blank surr recoveries out of specification in both original and reanalyses. Check the inte standard areas.	rogate

explanation/resubmittal, make any necessary corrections and document

3.5 Are there any transcription/calculation errors

If large errors exist, call lab for

between raw data and Form II?

ACTION:

	PA Reg 16 Met		I 270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
				YES NO N/A
			effect in data assessments.	
4.0	Matr	ix Sp	ikes (Form III/Equivalent)	
	4.1	Matr	the semivolatile Matrix Spike ix Spike Duplicate/or duplicate le recoveries been listed on	ce unspiked
		Reco	very Form (Form III)?	14
	NOTE	:	Method 3500B/page 4 states t	ne spiking compounds:
			Base/neutrals 1,2,4-Trichlorobenzene Acenaphthene 2,4-Dinitrotoluene Pyrene N-Nitroso-di-n-propylamine 1,4-Dichlorobenzene	Acids Pentachlorophenol Phenol 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol
	Note	:	Some projects may require th of interest.	e spiking of specific compounds
	Note	Ξ	See Method 8270D-sec 8.4.2 f to prepare and analyze dupli spike/matrix spike duplicate to contain target analytes, matrix spike and a duplicate field sample. If samples ar target analytes, laboratory and matrix spike duplicate p	cate samples or a martix . If samples are expected then laboratory may use one analysis of an unspiked e not expected to contain should use a matrix spike
	4.2		e matrix spikes analyzed at th quency for each of the followi	-
		a.	Low Water	п /
		b.	Low Solid	
		c.	Med Solid	

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION:

If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE:

If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

,	/	
- 		

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water	Solids
out of	$(33/33) = \frac{2}{3}$ out of $\frac{26}{3}$

	A Reg 6 Met			January 1998)		Date: Aug SOP HW-22		
						YES	NO	N/A
	4.5			or matrix spike ries are outside		pike		
		Wate	<u>r</u>		<u>Solids</u>			
			out of		out	of <u>13</u>		
	ACTIO	ON:	Circle all	outliers with re	ed pencil.			
	ACTIO	ON:	However, us judgement, matrix spik results in	s taken on MS/MS ing informed protthe data reviews and matrix spiconjunction with the the need for s	ofessional er may use th ike duplicate n other QC cr	e iteria		
	4.6		a Laboratory ytical batch	Control Sample ?	(LCS) analyz	ed with ea	ch	
	NOTE	:	<pre>indicate a matrix itse verify that</pre>	sults of the mat potential proble lf, the LCS resu the laboratory a clean matrix	em due to the ults are used can perform	sample to		
5.0	Blan	ks (F	orm IV/Equiv	alent)				
	5.1	Is t	he Method Bl	ank Summary (Fo	rm IV) presen	t? [1		
	5.2	Freq	uency of Ana	lysis:				
		repo	rted per 20 entration le	thod blank analysamples of similaries vel, and for each	lar matrix, c			
	5.3	Has	a method bla	nk been analyze	d either afte	er		

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

the calibration standard or at any other time during the analytical shift for each GC/MS system used ?

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are <u>not</u> used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

_ 14 _

6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: Prepare a list of the samples associated

with each of the contaminated blanks.

(Attach a separate sheet.)

NOTE: All field blank results associated to a

particular group of samples (may exceed one

per case) must be used to qualify data. Blanks may not be qualified because of

contamination in another blank. Field Blanks

must be qualified for outlying surrogates, poor spectra, instrument performance or

calibration QC problems.

ACTION: Follow the directions in the table below to

qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all

data in the associated samples should be

qualified as unusable (R).

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
Method, Field		≥ CRQL	No qualification required
		< CRQL	Report CRQL value with a U
	> CRQL *	<pre></pre>	Report concentration of sample with a U
		<pre>≥ CRQL and ≥ blank contamination</pre>	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample?

.ed ______

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	_	ion II nod 8270D (Rev.4, January 1998)		: Augu HW-22		
				YES	NO	N/A
		that exceeded the initial calibration range.		<u> </u>		
	6.5	Does the instrument blank have positive result for target analytes and/or TICs?	lts	· —		_
	Note	Use professional judgement to determine if carryover occurred and qualify analyaccordingly.	tes			
7.0	GC/MS	S Apparatus and Materials				
	7.1	Did the lab use the proper gas chromatograph column for analysis of semivolatiles by Methologope Check raw data, instrument logs or conthe lab to determine what type of column was The method requires the use of 30 m x 0.25 m (or 0.32 mm ID), silicone-coated, fused silicapillary column.	od ontac usec m ID			
	ACTIO	ON: If the specified column, or equivalent, not used, document the effects in the dassessment. Use professional judgement determine the acceptability of the data	ata to			
8.0	GC/MS	S Instrument Performance Check (Form V/Equiva	<u>lent)</u>	_		
	8.1	Are the GC/MS Instrument Performance Check F (Form V) present for decafluorotriphenylphos (DFTPP)?		•		
!		The performance solution should also contains achlorophenol, and benzidine to verify injection port inertness and column performa The degradation of DDT to DDE and DDD must less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (baupon lab experience) and show no peak degrad or tailing before samples are analyzed. (see	nce. be sed atior	1	.5	

USEPA Region SW846 Metho	on II od 8270D (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
I	page 8270D-12).	
I	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift?	14 <u> </u>
ł	Has an instrument performance check solution been analyzed for every twelve hours of samplanalysis per instrument?	Le
ACTION	N: List date, time, instrument ID, and samp analyses for which no associated GC/MS tuning data are available.	ole
DATE	TIME INSTRUMENT SAMPLE NUMBE	ERS
ACTION	N: If lab cannot provide missing data, rejective ("R") all data generated outside an acceptuelve hour calibration interval.	
ACTION	N: If mass assignment is in error, flag all associated sample data as unusable (R).	
	Have the ion abundances been normalized to m/z 198?	<u> </u>
	Have the ion abundance criteria been met for each instrument used?	1 /
ACTION	N: List all data which do not meet ion abus criteria (attach a separate sheet).	ndance

	A Regi		I 270D (Rev.4, January 1998)		: Augu		
					YES	NO	N/A
	ACTIO	ON:	If ion abundance criteria are not met, action specified in section 3.2	take			
	8.6	betwe	there any transcription/calculation erro een mass lists and Form Vs? (Check at le values but if errors are found, check mo	ast		LX	
	8.7		the appropriate number of significant res (two) been reported?				
	ACTIO	ON:	If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.				
	8.8		the spectra of the mass calibration compotable?	ound	IX		
	ACTIO	ON:	Use professional judgement to determine whether associated data should be acceptualified, or rejected.				
9.0	Targe	et Ana	<u>alytes</u>				
	9.1	pres	the Organic Analysis Data Sheets (Form I ent with required header information on , for each of the following:				
		a.	Samples and/or fractions as appropriate		17		
		b.	Matrix spikes and matrix spike duplicat	es			
		c.	Blanks		LX		
	9.2	perf	any special cleanup, such as GPC, been ormed on all soil/sediment sample extraction 7.2, page 8270D-14)?	ts	<u></u>		

A Reg. 5 Met			ate: Aug DP HW-22		
			YES	NO	N/A
ACTI	ON:	If data suggests that extract cleanup was performed, use professional judgement. Manote in the data assessment narrative.	not ake		
9.3	spec syst	the Reconstructed Ion Chromatograms, mass tra for the identified compounds, and the c em printouts (Quant Reports) included in the ele package for each of the following?			
	a.	Samples and/or fractions as appropriate			
	b.	Matrix spikes and matrix spike duplicates (Mass spectra not required)	1		
	c.	Blanks	171		
ACTI	on:	If any data are missing, take action specified in 3.2 above.			
9.4	Are Repo	the response factors shown in the Quant ort?		_	
9.5		chromatographic performance acceptable with ect to:			
	Base	line stability?	17		
	Reso	elution?	\square		
	Peak	shape?			
	Full	-scale graph (attenuation)?	1		
	Othe	r:			
ACTI	ON:	Use professional judgement to determine the	he		

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

USEPA Reg SW846 Meth			Date: SOP HV	_		
				YES	NO	N/A
	each	sample?	-			
ACTIO	ON:	If any mass spectra are missing, take ac specified in 3.2 above. If the lab does generate their own standard spectra, make note in the data assessment narrative. spectra are missing, reject all positive data.	not e a If			
9.7	RRT ı	ne RRT of each reported compound within Ounits of the standard RRT in the continuioration?				
9.8	at a	all ions present in the standard mass sperelative intensity greater than 10% (of abundant ion) also present in the sample trum?	the			
9.9	ions corre	ne relative intensities of the characteri in the sample agree within ± 30% of the esponding relative intensities in the rence spectrum?	stic	LX		
ACTIO	: NC	Use professional judgement to determine acceptability of data. If it is determine that incorrect identifications were made such data should be rejected (R), flagge (Presumptive evidence of the presence of compound) or changed to not detected (U) the calculated detection limit. In order be positively identified, the data must comply with the criteria listed in 9.7, and 9.9.	e, all ed "N" the at to			

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

USEPA Region II SW846 Method 8270D (Rev.4,	January 1998)	Date: Augu SOP HW-22	
		YES	NO N/A
10.0 Tentatively Identified	Compounds (TIC)		
for this project, and do listed TIC	dentified Compounds were req are all Form Is, Part B pr Cs include scan number or re concentration and "JN" quali	esent; tention	
lab was requ	ing reports to determine if aired to identify non target ection 7.6.2, page 8270D-21).	analytes	
identified compou	etra for the tentatively ands and associated "best ma in the sample package for e		
a. Samples and	or fractions as appropriate	<u>[]</u>	
b. Blanks		[]	
ACTION: If any TIC of specified in	data are missing, take action 3.2 above.	n	
ACTION: Add "JN" quaidentified b	alifier only to analytes by CAS #.		
as TIC compounds	ompounds from one fraction l in another (e.g., an acid as a base neutral TIC)?		
ACTION: i. Flag wi as a TI	th "R" any target compound	listed	
	are all rejected compounds a y reported in the other fra		
spectrum with a r	sent in the reference mass relative intensity greater t abundant ion) also present		

USEPA SW846	_	on II od 8270D (Rev.4, J	January 1998)		e: Aug HW-22		
					YES	NO	N/A
		sample mass spectr	cum?		[_]		_
	10.5	Oo TIC and "best m ntensities agree	natch" standard relative ic within ± 20%?	n			_
	ACTIO	acceptability is determined identification identification specific ider substituted by remove "JN". found in any artifact of a	onal judgement to determine y of TIC identifications. I d that an incorrect on was made, change the on to "unknown" or to some ntification (example: "C3 benzene") as appropriate ar Also, when a compound is blank, but is a suspected a common laboratory contaminould be qualified as unusa	less d not nant	,		
11.0	Comp	ound Quantitation	and Reported Detection Lin	nits			
	11.1	Form I results? Cherify that the conquantitation ion,	nscription/calculation erroneck at least two positive orrect internal standard, and RRF were used to calcure any errors found?	valu			·
	NOTE	but insuffice valley between reported as something such isomers quantitation	somers with similar mass spient GC resolution (i.e. perent the two peaks > 25%) shows isomeric pairs. The review the raw data to ensure the were included in the (i.e., add the areas of taks to calculate the total n).	ercen ould b wer at al	t be 1		
	11.2		tection limits adjusted to lutions and, for soils, sar	mple	11	/ —	

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect in data

assessments.

ACTION: When a sample is analyzed at more than one

dilution, the lowest detection limits are used (unless a QC exceedance dictates the use

of the higher detection limit from the

diluted sample data). Replace concentrations

that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "

X" across the entire page of all Form I's that should not be used, including any in the

summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

14 _ _

ACTION: If any calibration forms or standard row data

are missing, take action specified in 3.2

above.

13.2 Are all base neutral or acid RRFs > 0.050?

14 _ _

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Check the average RRFs of the four System
Performance Check Compounds (SPCCs):
N-nitroso-di-n-propylamine, hexachlorocyclopentadiene,
2,4-dinitrophenol, and 4-nitrophenol. These
compounds must have average RRFs greater than or
equal to 0.05 before running samples and should not
show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with average RRF < 0.05

- "R" all non-detects;
- 2. "J" all positive results.
- 13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

<u>__</u>

NOTE:

The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/N	eutral Fraction	Acid Fraction			
** · · · · · · · · · · · · · · · · · ·					
Acenap	hthene	4-Chloro-3-methylphenol			
1,4-Di	chlorobenzene	2,4-Dichlorophenol			
Hexach	lorobutadiene	2-Nitrophenol			
Diphen	ylamine	Phenol			
Di-n-o	ctyl phthalate	Pentachlorophenol			
Fluora	nthene	2,4,6-Trichlorophenol			

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective

action taken, then "J" qualify all positive

hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is \geq 20.0%, qualify positive

results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE:

Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

- 13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?
- 13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

□ / _

USEPA Region II SW846 Method 827	OD (Rev.4, January 1998)	Date: August, 2008 SOP HW-22 Rev.4
		YES NO N/A
	pesticide compounds include DDT, was to breakdown of DDT to DDD and DDE great 0%?	
ACTION: I	f DDT percent breakdown exceeds 20%:	
i	. Qualify all positive results for Diwith "J". If DDT was not detected DDD and DDE results are positive, qualify the quantitation limit for as unusable, "R".	, but
i	 Qualify all positive results for DDE as presumptively present at an approximate concentration "JN". 	
14.0 <u>GC/MS Cali</u>	bration Verification (Form VII/Equival	<u>ent)</u>
	e Calibration Verification Forms (Form t and complete for all compounds of st?	VII)
analyz	calibration verification standard been ed for every twelve hours of sample anstrument?	
. w	rist below all sample analyses that were within twelve hours of a calibration erification analysis for each instruments ased.	
_		
v	f any forms are missing or no calibrat erification standard has been analyzed ithin twelve hours of every sample ana	

USEPA Region II SW846 Method 8270D (Rev.4, January 1998)

Date: August, 2008 SOP HW-22 Rev.4

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF < 0.05?

T _

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05?

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).



USEPA	Region	ΙΙ			
SW846	Method	8270D	(Rev.4,	January	1998)

Date: August, 2008

SOP HW-22 Rev.4

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect(s) in the

data assessments.

15.0 <u>Internal Standards (Form VIII)</u>

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

ц ____

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
3	cry	193 158	236 732	946928
<u>. II</u>	CRY PRY	175380	139826	559302
14	cky	172934	236732	946928
21	<u>cry</u>	118407 74756	164223	479028

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

	A Regi		[270D (Rev.4, January 1998)	Date: SOP H	_	•	
	-				YES	NO	N/A
			iii. If the IS area is below the lower land (<50%), qualify all associated non-detects (U-values) "J". If extremels area counts are reported (<25%) or performance exhibits a major abrupt off, flag all associated non-detect unusable (R).	y low if drop			
			the retention times of all internal stand in 30 seconds of the associated calibrati dard?		1/	, 	
	ACTIO	N:	Professional judgement should be used to qualify data if the retention times difference than 30 seconds.		,		
16.0	Labor	atory	Control Samples (LCS)				
			any LCS samples run in order to verify ytes which failed criteria for spike yery?		14		
		same	the lab spike LCS sample spiked with the analytes and the same concentrations as ix spike?	the	14		
		analy	the mean and standard deviation of all ytes within the QC acceptance ranges as in Table 6, 8270D-43? Isb limits?				
	ACTIO	N:	If the recovery of any analyte falls out the designated range, the analytical restor that compound is suspect and should qualified "J" in the unspiked samples.	sults			
17.0	<u>Field</u>	Dup]	<u>licates</u>				

Date: August, 2008 SOP HW-22 Rev.4

r nw-22 kev.4

YES NO N/A

ACTION: Compare the reported results for field

duplicates and calculate the relative percent

difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates

should be confirmed by contacting the

sampler.

VALIDATION COMPLETENESS WORKSHEET LDC #: 31445C3a Cat A/Cat B SDG #:_ 480-55157-1 Laboratory: Test America, Inc. Reviewer: N METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081) 2nd Reviewer: 60

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/2/14
II.	GC Instrument Performance Check	4	Not reviewed for Cat A review.
111.	Initial calibration	Â	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	WZ	Not reviewed for Cat A review. CW ≤ 202
V.	Blanks	Sh)	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	ı
VIII.	Laboratory control samples	SW	40s/p
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	<u> </u>	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	NZ	Not reviewed for Cat A review. Re-MDL L Results CRL = Jdets
XIV.	Overall assessment of data	A	
XV.	Field duplicates	SW	D = 9.10
XVI.	Field blanks	NÞ	FB = 31

Note:

A = Acceptable

N = Not provided/applicable

SW = See worksheet

ND = No compounds detected

D = Duplicate

R = Rinsate

TB = Trip blank

FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

		201	T- 1/4	Ater (I)			<u></u>				
1 3	CC-C-048-0-2	(50x)	11	CC-C-051-0-2	(50x)	21 4	米. LT-G-027-2-4	(Tox)	31	FB028	W
2 3	CC-C-048-4-6	(50X)	₁₂ 3	CC-C-051-2-4	(SOX)	22	LT-G-027-8-10	(5X)	32	CC-C-048	-4-6MS
3 3	CC-C-048-8-10	(20%) **	13 ³	CC-C-051-8-10	(20X)	23	LT-C-053-0-2	(50x)	33	CC-C-048	-4-6MSD
4 3	CC-C-049-2-2	(50x)	14 3	CC-C-052-0-2	(20X)	24 4	LT-C-053-4-6	(5x)	34	LT-C-054-	2-4MS
3	CC-C-049-2-4	(50x)	15 3	CC-C-052-2-4	(20x)	25	* ⊁ LT-C-053-6-8	(TOX)	35	LT-C-054-	2-4MSD
3	CC-C-049-8-10	(104)	16	CC-C-052-8-10	(5K)	26 4	LT-C-054-0-2	(10x)	36	MB	4x0-167614 /1-A
7 3	CC-C-050-0-2	(50X)	17 3	LT-G-026-0-2	(20x)	27	LT-C-054-2-4		37	1	-167617 /
8 1	CC-C-050-2-4	K.#	18	LT-G-026-4-6		28 4	LT-C-057-0-2	(50K)	十 38 り		-167812/
9 3	CC-C-050-8-10	þ	19 1	LT-G-026-6-8		29 4	LT-C-057-2-4		- 39 4		- 167817/
10 3	DUP027	_b	₂₀ 3	LT-G-027-0-2		30 9	LT-C-057-6-8	(চx)	40 \$		-167526/

Notes:	 	 ·	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:	·	 	 		
	 	 	 	_	

LDC#: 31445 (30

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page:_	<u>'_or_</u>	
Reviewer:	No	
Reviewer:		

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

Were Evaluation mix standards run before initial calibration and before samples? XN N/A N N/A

Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (≤15.0% for individual breakdowns)?

SO N N/A Was at least one standard run daily to verify the working curve?

Y(N)/N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <20.0%?

Level IV/D Only

Y)N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Column	Compound	%D (Limit ≤ 20.0)	RT (Limi	ts)	Associated Samples	Qualif	cations
	1/07/14	25-65064	RN-CUP2	И	32.7	()	21, 25, MB480-167617/1-		J/UJ/A
					/	()	MB 480-167813/1-A	1	1
						_()			
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						()		<u> </u>	
A. alı B. be	ha-BHC ta-BHC	E. Heptachlor F. Aldrin	I. Dieldrin J. 4,4'-DDE	M. 4,4'-DDD N. Endosulfa		drin ketone drin aldehyde	U. Toxaph V. Aroclor-		CC. DB 608 DD. DB 1701	GG

A. alpha-BHC	
B. beta-BHC	
C. delta-BHC	
D. gamma-BHC	

H. Endosulfan I

G. Heptachlor epoxide

K. Endrin

L. Endosulfan II

N. Endosulfan sulfate O. 4,4'-DDT

P. Methoxychlor

R. Endrin aldehyde S. alpha-Chlordane

T. gamma-Chlordane

V. Aroclor-1016 W. Aroclor-1221 X. Aroclor-1232

Z. Aroclor-1248 AA. Aroclor-1254 BB. Aroclor-1260

DD. DB 1701 EE._Hexachlobenzene

LDC#: 31445 C39

VALIDATION FINDINGS WORKSHEET Blanks

Page:	
Reviewer:_	$\mathcal{M}_{\mathcal{L}}$
2nd Reviewer:_	02

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable qu	estions are identified as "N/A".
---	----------------------------------

YN N/A Were all samples associated with a method blank?

N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y/N N/A If extract clean-up was performed, were extract clean-up blanks analyzed at the proper frequencies?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank extraction date: $\frac{2}{26}$ /14 Blank analysis date: $\frac{2}{27}$ /14 Associated samples: $\frac{8}{16}$ /18, $\frac{19}{18}$ (M)

Compound	Blank ID		Sample Identification							
A CONTRACTOR OF THE CONTRACTOR	MB 480-167614)	1-A level								
C	0.456	ZRL								
	,	·								
			_							

Blank extraction date: $\frac{2/27/14}{1}$ Blank analysis date: $\frac{2/27/14}{1}$ Associated samples: $\frac{1-7}{1}$, $\frac{9-15}{1}$, $\frac{17}{20}$

Compound	Blank ID		Sample Identification							
	MB 480- 167812	/1-A Action	160x) -3(5700)	5(570)	7 (500)	9	10	4 (50x)	13(20%)
C	0.570	CRL				27 /a14	0.64 /1.94	0.77/2.04		8.7/39 U
T	0.641		50/904	46/944	42/924	31/ Ja	10/1	1.4/1	30 A04	25/
						,				/
			15 16 (30K)	20						
С	0.570		12/37U	•						
T	0.641		a	1.1/1.94						

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT: All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC#: 31445 (39)

VALIDATION FINDINGS WORKSHEET <u>Surrogate Spikes</u>

Page:_	<u></u> of/
Reviewer:_	JVG [′]
2nd Reviewer:_	07

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Were surrogates spiked into all samples, standards and blanks?

Y N N/A

Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	1-7, 11-15, 17,21	RTX-CIPY	A	0 (30-124)	No guel (dil)
	23 25 26	•	B	(32-136)	
				()	
	(10x - 50x)			()	
				()	
				()	
				()	
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				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
А	Tetrachloro-m-xylene			
В	Decachlorobiphenyl			-

LDC #: 31445 (39

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page:_	<u>\</u> of)
Reviewer:_	006
2nd Reviewer:	01

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

A/N M/X Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed? A/N/A

Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#		Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
1	~·32/33	Several	compounds)	ontside limite	for 2R43	RPD 2	No prod (di)
	MS/MSD ID - '32/33 (50x)		1 ()	()	()		1
			()	()	()		
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LDC#: 3/445 C34

VALIDATION FINDINGS WORKSHEET <u>Laboratory Control Samples</u>

Page:_ <u> </u>	_of_ <i> </i>
Reviewer:	No
2nd Reviewer:	OR

_METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?

Y(N/N/A) Were the LCS percent recoveries (%R) and relative percent differences (RPD) within the QC limits?

Level IV/D Only

YN N/A Was a LCS analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

#		Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	LCS/D 980-167536/2,3A	R	136 (96-134)	139 (96-134)	()	31 MB 480-167536/1-4	- (ND) I dets
	/		(')	(')	()		
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LDC#:31445C2a

VALIDATION FINDINGS WORKSHEET Field Duplicates

Page: 1_of 1_ Reviewer: JVG 2nd Reviewer: _____

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentrat	Concentration (μg/Kg) 9 10		Diff.	Diff Limits	Qualifiers
Analyte	9				(2xRL)	(Parents Only)
М	1.4	0.69		0.71	(≤4.0)	
J	1.6	1.8		0.2	(≤4.0)	
0	1.9	4.9		3.0	(≤4.0)	
С	0.64	0.77		0.13	(≤4.0)	
I	1.9U	1.0		0.9	(≤3.8)	
К	1.9U	0.70		0.2	(≤3.8)	
Т	1.0	1.4		0.4	(≤4.0)	
Ρ .	1.9U	2.8		0.9	(≤3.8)	

LDC#: 31445 (32

VALIDATION FINDINGS WORKSHEET Compound Quantitation and Reported CRQLs

Page:	<u> </u>
Reviewer:	JVG
2nd Reviewer:	$\overline{\alpha}$

METHOD: __ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". **Level IV/D Only**

N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Y(N>N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results? Did the percent difference of detected compounds between two columns./detectors <40%?

If no, please see findings bellow.

If no, please see findings bellow.						
#	Compound Name	Sample ID	%RPD₽%D Between Two Columns/Detectors Limit (≤40%) でよう	Qualifications		
	Ó	3	48, 56	Jacts/A		
	М	R	44 90			
	Ó		44.90 71.52	1 9 11 na fee/		
				77 00 100		
	0	11	62.54	90 U m/kg		
	NJ	2	39.64	1.9 Ung/kg To Ung/kg		
<u></u>						

 -						
<u> </u>						
<u> </u>						
<u> </u>						
<u> </u>						
						
						

Comments:	See sample	<u>calculation ve</u>	ification work	sheet for re	calculations		

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

1_of_4_
JVG
9

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	402955	0.0050
			2	834751	0.0100
	RTX-CLP1		3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1	289212	0.0050
			2	577382	0.0100
	RTX-CLP1		3	3299716	0.0500
			4	6627939	0.1000
			5	9728110	0.1500

		g-BH	С	DDT		
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR	
Constant	b =	0.000599	-97277.158	0.000386	-50692.861	
Std Err of Y Est						
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000	
Degrees of Freedom						
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600	
Std Err of Coef.						
Correlation Coefficient		0.999763		0.999839		
COD r2		0.999527		0.999678		

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	2_of_4_
Reviewer:	JVG_
2nd Reviewer:	a

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	397852	0.0050
			2	812531	0.0100
	RTX-CLP2		3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1	229092	0.0050
	Ì		2	493120	0.0100
	RTX-CLP2		3	2995114	0.0500
			4	6213805	0.1000
			5	9379617	0.1500

		g-BH	C	DDT		
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR	
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050	
Std Err of Y Est						
R Squared	r^2 =	0.999152	1.000000	0.999938	1.000000	
Degrees of Freedom						
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200	
Std Err of Coef.						
Correlation Coefficient		0.999576		0.999969		
COD r2		0.999152		0.999938		

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	245470	0.0050
			2	522454	0.0100
	RTX-CLP1		3	2965070	0.0500
			4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25	4,4'-DDT	1	148289	0.0050
			2	326138	0.0100
	RTX-CLP1		3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500

		g-BH	С	DDT		
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR	
Constant	b =	0.000220	-49614.415	0.001978	-68453.561	
Std Err of Y Est						
R Squared	r^2 =	0.999507	1.000000	0.999956	1.000000	
Degrees of Freedom						
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100	
Std Err of Coef.						
Correlation Coefficient		0.999754		0.999978		
COD r2		0.999507		0.999956		

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	<u>4</u> of <u>4</u>
Reviewer:	JVG
2nd Reviewer:_	<u>~</u>

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	117593	0.0050
			2	248229	0.0100
	RTX-CLP2		3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
					1
2/6/2014	HP6890-25	4,4'-DDT	1	72250	0.0050
			2	155669	0.0100
	RTX-CLP2		3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

		g-BH	С	DDT		
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR	
Constant	b =	0.000832	-30608.233	0.002459	-37996.410	
Std Err of Y Est						
R Squared	r^2 =	0.999881	1.000000	0.999828	1.000000	
Degrees of Freedom						
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600	
Std Err of Coef.						
Correlation Coefficient		0.999941		0.999914		
COD r2		0.999881	, ,	0.999828		

LDC#: <u>31445C3a</u>

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration Calculation Verification</u>

Page:_	<u>1_of_1</u>
Reviewer:	JVG
2nd Reviewer:	a

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Where:

Percent difference (%D) = 100 * (N - C)/N

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

						Reported	Recalculated	Reported	Recalculated
		Calibration	[CCV Conc	Conc	Conc	% D	%D
#	Standard ID	Date	Compou	und					
1	25_69092	2/27/2014	g-BHC	CLP1	0.0500	0.0568	0.0568	13.6	13.6
			4,4'-DDT	CLP1	0.0500	0.0539	0.0539	7.9	7.9
			g-BHC	CLP2	0.0500	0.0511	0.0511	2.2	2.2
			4,4'-DDT	CLP2	0.0500	0.0482	0.0482	3.5	3.5
2	25_69101	2/27/2014	g-BHC	CLP1	0.0500	0.0554	0.0554	10.8	10.8
			4,4'-DDT	CLP1	0.0500	0.0528	0.0528	5.7	5.7
			g-BHC	CLP2	0.0500	0.0496	0.0496	0.8	0.8
			4,4'-DDT	CLP2	0.0500	0.0478	0.0478	4.4	4.4
3	6_12155	2/27/2014	g-BHC	CLP1	0.0500	0.0535	0.0535	7.1	7.1
			4,4'-DDT	CLP1	0.0500	0.0521	0.0521	4.3	4.3
			g-BHC	CLP2	0.0500	0.0484	0.0484	3.3	3.3
			4,4'-DDT	CLP2	0.0500	0.0449	0.0449	10.2	10.2
4	6_12163	2/27/2014	g-BHC	CLP1	0.0500	0.0534	0.0534	6.9	6.9
		ľ	4,4'-DDT	CLP1	0.0500	0.0516	0.0516	3.2	3.2
			g-BHC	CLP2	0.0500	0.0491	0.0491	1.8	1.8
			4,4'-DDT	CLP2	0.0500	0.0468	0.0468	6.5	6.5

LDC#: 31445 (3a

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer:	α

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation
--

% Recovery: SF/SS * 100

Where: SF = Surrogate Found SS = Surrogate Spiked

	Sam	ple	ID:	#	8
--	-----	-----	-----	---	---

Surrogate Column		Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	RTX-apy	0.070	0.0207	164	104	0
Decachlorobiphenyl	7,	}	0.0192	96	96	1
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene		-				
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate Column		Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						1

Notes:_			
_			

LDC #: 31445 (31

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

Page	: <u>1</u> of_1_
Reviewer:	JVG
2nd Reviewer:	C

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

RPD = IMS - MSDI * 2/(MS + MSD)

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples:

		pike	Sample Concentration	Spiked Sample Concentration (49 🛵)		Matrix	(Spike	Matrix Spil	ce Duplicate	MS/	MSD
Compound	(45	lded /たり	(us/ke)			Percent	Recovery	Percent Recovery		RPD	
	MS	MSD	- Y	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	17.9	18.1	24.25	65.1	23.4	228	228	-5	0	94	94
4,4'-DDT		\ \ \ \ \	39.45	49.0	48.7	53	53	48	48	2	γ'
Aroclor 1260											
							·				
						·					

Comments:	Refer ot Matrix Spik	e/Matrix Spike Dup	licates findings work	sheet for list of qu	alifications and ass	sociated samples whe	en reported results	s do not agree within
10.0% of the	e recalculated results	3.						<u>-</u>
								····

LDC #: 31445 (39

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: VCS 480 - 167614 /2-A

	Si	pike Ided	Spiked Sample Concentration (৸৻ /বি.)			.cs	LC	SD	LCS	/LCSD
Compound		/kg)			Percent	Recovery	Percent	Recovery	F	RPD
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.6	VA	14.7	VA	28	85				
4,4'-DDT		Ì	16.3		98	98				
Aroclor 1260		,								
		-								

omments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported
sults do not agree within 10.0% of the recalculated results.

LDC#: 31445 (34

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer:	a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y	N	N/A
(図	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:

Sample I.D. $\frac{3}{y=y-b}$ DDT:

X = $\frac{y-b}{y-b}$ (69199)-(-104229.05)]

= 0.002755

final conc. = $\frac{(0.007255)(10ml)(50)(1000)}{(30.24g)(0.884)}$ = 51.57

#	Sample ID	Compound	Reported Concentration ((4 द /रू)	Calculated Concentration ()	Qualification
			520		
			3,		
			·		

Note:		 	 	
	·	 		

USEPA Region II SW846 Method 8081B Pesticides

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PACKAGE COMPLETENESS AND DELIVERABLES

	NUMBI		1445C	Buffalo	SDG#	480-	-55/57-1	-	
TAR:	15	ST AM	erica	Duttalo	SITE:	4101	TSIC		
1.0	<u>Data</u>	Comp1	Letenes	ss and Deli	verables			YES	NO N/A
	1.1			e data beer e format?	n submitted	in CLP		1	
	1.2		-	ssing deli to the data	verables bed a package?	en rece	eived	12	
	ACTIO	ON:	missir them,	ng delivera note the e	planation/reables. If landing in the landing is a second in the landing in the landing in the landing is a second in the landing	ab canı	not provid	de	
2.0	Cove	r Lett	er; SI	OG Narrativ	<u>re</u>				
	2.1	Is a prese		itory narra	ative or cov	er lett	er		·
	2.2				and/or SDG no cover letter		contained	区	
3.0	<u>Data</u>	Valid	lation	<u>Checklist</u>					
	3.1	Does	this d	lata packag	ge contain:				
		Water	data?						
		Waste	data?						
		Soil/	solid	data?				1	

USEPA Region II SW846 Method 8081B Pesticides Date: October 2006 SOP HW-44, Rev.1.0

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples?

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?



ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?

 \square

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

USEPA Region II

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ACTION:

Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Wa hari a	Matrix Preserved Criteria		Ac	tion
Matrix	Preserved	Criteria	Detected compounds	Non-detected compounds
	No	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J*	. U J
Aqueous	Yes	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	τυ
	Yes/No	> 28 days (gross exceedance)	J	R
	No	<pre>≤ 14days(extraction) ≤ 40 days (analysis)</pre>	J*	UJ*
	No	> 14days(extraction) >40 days(analysis)	J	IJ
Non-aqueous	Yes	<pre>< 14days(extraction) < 40 days(analysis)</pre>	No qualification	
	Yes	<pre>> 14days(extraction) > 40 days(analysis)</pre>	J	IJ
,	Yes/No	> 28 days (gross exceedance)	J	R

^{*} only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

USEPA Region II SW846 Method 8081B Pesticides Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

3.0 <u>Surrogate Recovery (Form II/Equivalent)</u>

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

b. Soil/Solid 1X — —

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

Water a.

LY___

b. Waste

Soil/Solid

ACTION: Call lab for explanation/resubmittals. If missing deliverables are unavailable, document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

Circle all outliers in red. Follow surrogate ACTION: action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

Follow surrogate action, Table 2 below. ACTION:

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YES NO N/A

Table 2. Surrogate Recovery Criteria

	Action		
Criteria	Detected Target Compounds	Non-detected Target Compounds	
%R > 200%	J	Use professional judgement	
150% < %R < 200%	J No qualific		
30% ≤ %R ≤ 150%	No qualification		
10% < %R < 30%	J	ប្រ	
%R < 10% (sample dilution not a factor)	J R		
%R < 10% (sample dilution is a factor)	Use professional judgement		
RT out of RT window	Use professional judgement		
RT within RT window	No qualification		

3.6 Are there any transcription/calculation errors between raw data and Form II?

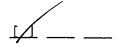
П —/ —

ACTION:

If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 <u>Laboratory Control Sample(LCS)</u>

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.



ACTION:

If any <u>Laboratory Control</u> <u>Sample</u> data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

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YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below.

Note:

Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note:

The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION:

If <u>Laboratory Control Samples</u> were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Do average recovery for each analyte meet the corresponding QC acceptance criteria, listed in table above?

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YES NO N/A

ACTION:

For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

14320 11 203 10001017 01200121			
Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R > Upper Acceptance Limit	J	No qualification	
%R < Upper Acceptance Limit	J	R	
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications		

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

H /_

NOTE:

For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?



ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

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YES NO N/A

a. Water

Ц___

b. Waste

□ _ _

c. Soil/Solid

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

/	
1.1	
1	

Note:

Spiking analytes may differ from those in Table 5.

Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) <u>For all other aqueous samples</u> the larger of either 1 to 5 x times the expected background

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YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) <u>For soil/solid and waste samples</u> - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. In Ilmits.

□ ∠_

Note:

√Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

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YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION:

Follow the matrix spike actions (Table 7)

for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R or RPD > Upper Acceptance Limit	J	No qualification	
20% R ≤ %R < Lower Acceptance Limit	J	UJ	
%R < 20%	Ĵ	Use professional judgement	
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications		

Note:

When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

- 6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?
- 6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

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YES NO N/A

If any blank data are missing, take action as ACTION: specified above (section 3.2). If blank data is not available, reject (R) all associated positive However, using professional judgement, the data reviewer may substitute field blank data for

missing method blank data.

6.3 Chromatography: review the blank raw data chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

"Water blanks", "distilled water blanks" and NOTE: "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

Prepare a list of the samples associated with each ACTION: of the contaminated blanks. (Attach a separate sheet.)

All field blank results associated to a particular NOTE: group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

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YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL	> CRQL	No qualification
		< CRQL	Report CRQL value with a U
Method, Clean up, Instrument,	t, > CRQL	<pre></pre>	Report the concentration for the sample with a U
Field		≥ CRQL and ≥ blank contamination	No qualification
		< CRQL	Report CRQL value with a U
	= CRQL	≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated

as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant

concentration in the blank is multiplied by the sample

dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated

peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

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ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

- 8.0 Gas Chromatography with Electron Capture Detector (GC/ECD)Instrument Performance Check (CLP Form VI and Form VII Equivalent)
 - 8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

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8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column	1:	
column	2:	

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

- 9.0 Calibration and GC Performance
 - 9.1 Are the following Gas Chromatograms and Data Systems Printouts for <u>both</u> columns present for all samples, blanks, MS, replicates?
 - a. DDT/endrin breakdown check

1 /1	

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A 八 — b. toxaphene <u>____</u> technical chlordane c. d. 5 pt. initial calibration standards calibration verification standards e. f. LCS q. Method blanks ACTION: If no, take action specified in 3.2 above. 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? If no, take action as specified in 3.2 above. ACTION: 9.3 Has the individual % breakdown exceeded 20.0% on either column for: - 4,4' - DDT?

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- endrin?

- a. If 4,4'-DDT breakdown is greater than 20.%:
 - i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

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YES NO N/A

- b. If endrin breakdown is greater than 20.0%:
 - i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").
 - ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").
- 9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence?

12/_____

- NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.
- ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.
- 9.5 Are there any transcription/calculation errors between raw data and data summary forms.

- ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.
- 9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms?

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above?

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence?

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

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YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration (of v²) standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes).

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria			
	Detected Associated Compounds	Non-Detected Associated Compounds		
% RSD exceeds allowable limits*	J	No qualification		
% RSD within allowable limits*	NO qualifications			

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD ≤ 25% for alpha-BHC and delta-BHC

 $RSD \leq 30\%$ for Toxaphene peaks

%RSD < 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A working day, prior to sample analyses (pages 8081B-15, sections 7.5.2)? 9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)? If no, take action as specified in section 3.2 ACTION: above. 9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene [X]detection and the Toxaphene CCV? ACTION: See Table 10 below. 9.13 Has the percent difference (%D) exceeded \pm 20% for any organochlorine pesticide analyte in any calibration verification standard? 9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the outof-control standard (page 8081B-16, section 7.5.2.3) reinjected? If the %D for any analyte exceeded the \pm 20% ACTION: criterion and the instrument was not recalibrated for those analytes, see table below. 9.15 Have <u>daily</u> retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)?

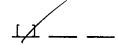
Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

9.17 Do all standard retention times for each midconcentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows (page 8081B-16, section 7.5.3)?



ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is \pm 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

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YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action			
	Detected Associated Non-Detected Associated Compounds			
RT out of RT window	Use professional judgement			
%D not within +/- 20%	J 'UJ			
Time elapsed greater than section 9.12 criteria.	R			
%D, time elapsed, RT are all within acceptable limits.	No quali	fications		

9.18 Are there any transcription/calculation errors between raw data and data summary forms?

14

ACTION: If large errors exists, call lab for

explanation/resubmittal, make any necessary corrections and document the effect in data

assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?



ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?



ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

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YES NO N/A

	accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.	
11.0	Extraction Method Cleanup Efficiency Verification (Form IX/Equivalent	<u>c)</u>
	11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?	
	1. Aqueous samples:	
	1. Separatory funnel (Method 3510)	
	2. Continuous liquid-liquid extraction (Method 3520)	
	3. Solid phase extraction (Method 3535)	
	4. Other	
	2. Solid samples:	
	1. Soxhlet (Method 3540)	
	2. Automated Soxhlet (Method 3541)	
	3. Pressurized fluid (Method 3545)	
	4. Microwave extraction (Method 3546)	
	5. Ultrasonic extraction (Method 3550)	
	6. Supercritical fluid (Method 3562)	
	7. Other	
	11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.)	

USEPA Reg SW846 Met	gion II Shod 8081B Pesticides	Date: October 2006 SOP HW-44, Rev.1.0
		YES NO N/A
ACTION:	If no, take action specified in 3.2 data suggests that florisil cleanup performed, make note in the reviewe	was not
NOTE:	Method 3620A uses Florisil, while the allows for Florisil cartridges. Me not list which pesticides and surrouted verify column efficiency. The recheck project plan to verify method as the correct pesticide list. If neavailable, use the CLP listing or a laboratory used.	thod 3620A does gate(s) to use eviewer must used as well ot stated or
	all samples listed on modified CLP Poisil/Cartridge Check Form?	esticide
ACTION:	If no, take action specified in 3.2	above.
	PC Cleanup was performed, is Form IX valent present?	- Pest-2/
ACTION:	If GPC was not performed and sample indicate significant sulfur interference in the data assessment.	
NOTE:	GPC cleanup is not required and is reviewer should check Project Plan requirement.	-
	the same compounds on Form IX used efficiency of the cleanup procedures	
surr of t	percent recoveries (% R) of the pest ogate compounds used to check the ef he cleanup procedures within QC limi orm IX:	ficiency
80-1	20% for florisil cartridge check?	

80-110% for GPC calibration?

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YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?

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Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION:

Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

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ACTION:

Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

- 12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).
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12.6 Is the percent difference (%D) calculated for the
 positive sample results on the two GC columns
 <25.0%?</pre>

NOTE:

The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

<pre>% Differen</pre>	<u>ce</u>	<u> Oualifier</u>
0-25%		none
26-70%		"J"
71-100%		"UN"
101-200% (No Interference)	"R"
101-200% (Interference detected) "NJ"	
>50%	(Pesticide vale is <crql)< td=""><td>"U"</td></crql)<>	"U"
>201%	•	"R"

Note: The lower of the two values is reported on Form I.

If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

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NOTE:

Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

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ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

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14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

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ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

Date: October 2006 SOP HW-44, Rev.1.0

ACTION:

Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field

duplicates.

Site: Glen Isle

Laboratory: Test America Buffalo, NY

Report No.: 480-55157-1

Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date: April 18, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-048-0-2	480-55157-1	Metals
CC-C-048-4-6	480-55157-3	Metals
CC-C-048-8-10**	480-55157-4	Metals
CC-C-049-0-2	480-55157-5	Metals
CC-C-049-2-4	480-55157-6	Metals
CC-C-049-8-10	480-55157-7	Metals
CC-C-050-0-2	480-55157-8	Metals
CC-C-050-2-4	480-55157-9	Metals
CC-C-050-8-10	480-55157-10	Metals
DUP027	480-55157-11	Metals
CC-C-051-0-2**	480-55157-12	Metals
CC-C-051-2-4	480-55157-13	Metals
CC-C-051-8-10	480-55157-14	Metals
CC-C-052-0-2**	480-55157-15	Metals
CC-C-052-2-4	480-55157-16	Metals
CC-C-052-8-10	480-55157-17	Metals
LT-G-026-0-2	480-55157-18	Metals
LT-G-026-4-6	480-55157-19	Metals
LT-G-026-6-8	480-55157-20	Metals
LT-G-027-0-2	480-55157-21	Metals
LT-G-027-2-4**	480-55157-22	Metals
LT-G-027-8-10	480-55157-23	Metals
LT-C-053-0-2	480-55157-24	Metals
LT-C-053-4-6	480-55157-25	Metals
LT-C-053-6-8	480-55157-26	Metals
LT-C-054-0-2	480-55157-27	Metals
LT-C-054-2-4	480-55157-28	Metals
LT-C-057-0-2	480-55157-29	Metals
LT-C-057-2-4	480-55157-30	Metals
LT-C-057-6-8	480-55157-31	Metals
FB028	480-55157-32	Metals
CC-C-048-4-6MS	480-55157-3MS	Metals
CC-C-048-4-6MSD	480-55157-3MSD	Metals
LT-G-027-0-2MS	480-55157-21MS	Metals
LT-G-027-0-2MSD	480-55157-21MSD	Metals

Associated QC Samples(s): Field/Trip Blanks: FB028

Field Duplicate pair: CC-C-050-8-10 and DUP027

The above-listed soil and water samples were collected on February 21, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13 (September 2006) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011 (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method blank sample. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	3.41 mg/Kg		CC-C-048-0-2
	Iron	3.09 mg/Kg		CC-C-048-4-6
	Manganese	0.0627 mg/Kg		CC-C-048-8-10**
ŀ	Zinc	0.331 mg/Kg		CC-C-049-0-2
	'			CC-C-049-2-4
				CC-C-049-8-10
				CC-C-050-0-2
				CC-C-050-2-4
		,		CC-C-050-8-10
				DUP027
	}			CC-C-051-0-2**
				CC-C-051-2-4
				CC-C-051-8-10
				CC-C-052-0-2**
				CC-C-052-2-4
				CC-C-052-8-10
				LT-G-026-0-2
				LT-G-026-4-6
				LT-G-026-6-8
PB (prep blank)	Calcium	11.56 mg/Kg		LT-G-027-0-2
	Iron	2.19 mg/Kg		LT-G-027-2-4**
	Manganese	0.0440 mg/Kg		LT-G-027-8-10
	Zinc	0.367 mg/Kg		LT-C-053-0-2
				LT-C-053-4-6
				LT-C-053-6-8
				LT-C-054-0-2
				LT-C-054-2-4
				LT-C-057-0-2
		,		LT-C-057-2-4
		<u></u>	<u> </u>	LT-C-057-6-8

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron	0.0318 mg/L		FB028
	Manganese	0.00228 mg/L		
	Zinc	0.00172 mg/L		

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-G-026-0-2	Zinc	8.5 mg/Kg	13.5U mg/Kg
LT-C-057-2-4	Calcium	231 mg/Kg	306U mg/Kg
LT-C-057-6-8	Calcium	253 mg/Kg	287U mg/Kg
	Zinc	11.0 mg/Kg	11.5U mg/Kg
FB028	Zinc	0.0016 mg/L	0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB028 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-048-4-6 and LT-G-027-0-2 for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

							_
MS		MS	MSD	RPD	QC	Associated	Validation
Sample	Analyte	%R	%R	Limits	Limits	Samples	Actions
CC-C-048-4-6MS/MSD	Aluminum	194	238	-	75-125	CC-C-048-0-2	J detects
	Barium	229	-	49 (≤35)	75-125	CC-C-048-4-6	J detects
	Chromium	172	145	-	75-125	CC-C-048-8-10**	J detects
	Copper	309	-	73 (≤35)	75-125	CC-C-049-0-2	J detects
	Lead	401	44	79 (≤35)	75-125	CC-C-049-2-4	J detects
	Magnesium	178	-27	73 (≤35)	75-125	CC-C-049-8-10	J detects
	Nickel	150	-	-	75-125	CC-C-050-0-2	J detects
	Zinc	792	53	122 (≤35)	75-125	CC-C-050-2-4	J detects
	Calcium	-		61 (≤35)	75-125	CC-C-050-8-10	J detects
	Iron	-	-	40 (≤35)	75-125	DUP027	J detects
	Manganese	-	-	77 (≤35)	75-125	CC-C-051-0-2**	J detects
						CC-C-051-2-4	
						CC-C-051-8-10	
						CC-C-052-0-2**	
						CC-C-052-2-4	
						CC-C-052-8-10	
						LT-G-026-0-2	
						LT-G-026-4-6	
						LT-G-026-6-8	
LT-G-027-0-2MS/MSD	Aluminum	274	129	-	75-125	LT-G-027-0-2	J detects
	Manganese	28	-21	-	75-125	LT-G-027-2-4**	J detects
	Potassium	126	-	ļ -	75-125	LT-G-027-8-10	J detects
	Barium	-	264	50 (≤35)	75-125	LT-C-053-0-2	J detects
	Lead	-	240	49 (≤35)	75-125	LT-C-053-4-6	. J detects
	Magnesium	-	62	-	75-125	LT-C-053-6-8	J detects
	Zinc	72	-	-	75-125	LT-C-054-0-2	J detects
	Mercury	-	133	-	75-125	LT-C-054-2-4	J detects
						LT-C-057-0-2	
			1			LT-C-057-2-4	
		<u> </u>				LT-C-057-6-8	

Estimate (J) the positive aluminum, chromium, nickel, potassium, and mercury results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive barium, copper, lead, magnesium, zinc, and lead results for the samples listed above due to high MS percent recovery and MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Estimate (J) the positive calcium, iron, and manganese results for the samples listed above due to high MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

	Concentration (mg/Kg)		RPD	Difference	
Analyte	CC-C-050-8-10	DUP027	(Limits)	(Limits)	Validation Actions
Aluminum	4250	4760	11 (≤100)	-	-
Antimony	2.0	1.8	-	0.2 (≤170.6)	
Arsenic	19.4	11.3	-	8.1 (≤22.8)	-
Barium	17.2	42.2	84 (≤100)	-	-
Beryllium	0.26	0.30	-	0.04 (≤2.2)	-
Cadmium	0.54	0.72	-	0.18 (≤2.2)	-
Calcium	1240	1620	27 (≤100)	-	-
Chromium	13.5	18.0	29 (≤100)	-	
Cobalt	3.6	4.2	-	0.6 (≤5.6)	•
Copper	27.0	39.2	37 (≤100)	-	-
Iron	10100	10900	8 (≤100)	-	· -
Lead	37.5	53.6	35 (≤100)	-	-
Magnesium	1300	1500	14 (≤100)	-	-
Manganese	99.5	107	7 (≤100)	-	-
Nickel	7.8	9.2 ⁻	-	1.4 (≤56.8)	•
Potassium	949	1120	17 (≤100)	-	-
Selenium	1.0	22.6U	-	21.6 (≤45.4)	
Silver	1.7	2.3	_	0.6 (≤5.6)	-
Sodium	373	440	_	67 (≤1592)	
Vanadium	15.1	17.2	13 (≤100)	-	-
Zinc	63.3	78.5	21 (≤100)	-	-
Mercury	0.084	0.14	50 (≤100)	-	-

⁻⁼no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair. For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples CC-C-048-4-6 and LT-G-027-0-2 for metals. Analytes that did not meet the criteria are summarized in the following table.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
CC-C-048-4-6	Aluminum	12 (≤10)	CC-C-048-0-2	J detects
	Barium	11 (≤10)	CC-C-048-4-6	J detects
	Chromium	15 (≤10)	CC-C-048-8-10**	J detects
	Iron	23 (≤10)	CC-C-049-0-2	J detects
	Magnesium	12 (≤10)	CC-C-049-2-4	J detects
	Manganese	12 (≤10)	CC-C-049-8-10	J detects
	Vanadium	12 (≤10)	CC-C-050-0-2	J detects
	Zinc	12 (≤10)	CC-C-050-2-4	J detects
	1		CC-C-050-8-10	
			DUP027	
			CC-C-051-0-2**	
			CC-C-051-2-4	
			CC-C-051-8-10	
	1	·	CC-C-052-0-2**	,
			CC-C-052-2-4	
			CC-C-052-8-10	
			LT-G-026-0-2	
	ļ		LT-G-026-4-6	
			LT-G-026-6-8	
LT-G-027-0-2	Aluminum	63 (≤10)	LT-G-027-0-2	J detects
	Barium	62 (≤10)	LT-G-027-2-4**	J detects
	Calcium	66 (≤10)	LT-G-027-8-10	J detects
	Chromium	66 (≤10)	LT-C-053-0-2	J detects
	Cobalt	66 (≤10)	LT-C-053-4-6	J detects
	Copper	61 (≤10)	LT-C-053-6-8	J detects
	Iron	64 (≤10)	LT-C-054-0-2	J detects
	Lead	66 (≤10)	LT-C-054-2-4	J detects
	Magnesium	70 (≤10)	LT-C-057-0-2	J detects
	Manganese	69 (≤10)	LT-C-057-2-4	J detects
	Potassium	63 (≤10)	LT-C-057-6-8	J detects
	Vanadium	64 (≤10)		J detects
	Zinc	67 (≤10)		J detects

The positive results for aluminum, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, potassium, vanadium, and zinc were qualified as estimated (J) due to high percent difference in the serial dilution analysis. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC ;	#: <u>31445C4</u>	VA	LIDATION	N COMP	LETEN	ESS	WORKSHEE	ΞT	Date:				
	#: <u>480-55157-1</u>	_		Ca	Page: of								
	ratory: Test America, In			h1.	,			Reviewer:/ 2nd Reviewer:/					
METH	HOD: Metals (EPA SW 8	46 M	ethod 6010C	749 B	17470	A			2nd Reviewer: 00				
	amples listed below were ation findings worksheets		ewed for eac	ch of the fo	ollowing v	/alida	tion areas. Valida	ation fin	dings are noted in attached				
vanuc	mon mangs worksneets												
	Validation	Area					Con	nments					
1.	Technical holding times			A	Sampling	dates:	2/21/14						
II.	ICP/MS Tune			MB			Cat A review	w					
111.	Calibration			A			Cat A review.						
IV.	Blanks			5~/	243/1								
V.	ICP Interference Check Sar	nple (I	CS) Analysis	_A	Not review	ved for	r Cat A review.						
VI.	Matrix Spike Analysis			5~									
VII.	Duplicate Sample Analysis			N									
VIII.	Laboratory Control Samples	s (LCS)	1	LCG CRM								
IX.	Internal Standard (ICP-MS)			NA	, ,								
X.	ICP Serial Dilution						Not reviewed for Cat A review.						
XI.	Sample Result Verification			A	Not reviewed for Cat A review. My Likewette LRL. TIT								
XII.	Overall Assessment of Data	a		A									
XIII.	Field Duplicates			3W	(9,10)								
XIV.	Field Blanks			ورا_	FB-	<u>}</u>	<rv.< td=""><td></td><td></td></rv.<>						
Note:	A = Acceptable N = Not provided/applicable SW = See worksheet ed Samples: ** Indicates samp		R = Rins FB = Fie	eld blank	s detected	,	D = Duplicate TB = Trip blank EB = Equipment b	olank					
vandat	- maioaco camp	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			· · · · · · · · · · · · · · · · · · ·	T							
1	CC-C-048-0-2	11	CC-C-051-0-2	44	21	LT-G	G-027-2-4	31	FB028 •				
2	CC-C-048-4-6	12	CC-C-051-2-4		22	LT-G	G-027-8-10	32	CC-C-048-4-6MS				
3	CC-C-048-8-10	13	CC-C-051-8-1	0	23	LT-C	-053-0-2	33	CC-C-048-4-6MSD				
4	CC-C-049- 2 -2	14	CC-C-052-0-2	· 埃·	24	LT-C	-053-4-6	34	LT-G-027-0-2MS				
5	CC-C-049-2-4	15	CC-C-052-2-4		25	LT-C	-053-6-8	35	LT-G-027-0-2MSD				
6	CC-C-049-8-10	16	CC-C-052-8-1	0	26	LT-C	-054-0-2	36	MB				
7	CC-C-050-0-2	17	LT-G-026-0-2		27	LT-C	-054-2-4	37					
8	CC-C-050-2-4	18	LT-G-026-4-6		28	LT-C	-057-0-2	38					
9	CC-C-050-8-10	19	LT-G-026-6-8		29	LT-C	-057-2-4	39					
10	DUP027	20	LT-G-027-0-2		30_	LT-C	-057-6-8	40					

Notes:_

LDC #: 31 49 mg

VALIDATION FINDINGS WORKSHEET Sample Specific Element Reference

Page:_	
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All circled elements are applicable to each sample.

Sample ID		Target Analyte List (TAL)
1-51	19/1	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sì, CN,
32-35	400	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sì, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
		AI, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
		Analysis Method
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mr, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
GFAA		Al, Sh, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Ph, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN;

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

D: Trace Metals	(SW 846 6010C/7471B/7470A)	Soil prepar	ation factor applied:

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Sample Concentration units, unless otherwise noted: <u>mg/Kg</u>

Associated Samples: 1-19

						er pag		Samı	ole identific	ation			
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	17								
Ca	3.41											-	
Fe	3.09												
Mn	0.0627												
Zn	0.331				8.5/13.5								

Associated Samples: 20-30 Sample Concentration units, unless otherwise noted: mg/Kg

	14.					Sample Identification								
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	29	30								
Ca	11.56				231/306	253/287								
Fe	2.19													
Mn	0.0440													
Zn	0.367					11.0/11.5								

Associated Samples: 31 Sample Concentration units, unless otherwise noted: mg/L

							Sample Id	entification		
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	31					
Fe		0.0318								
Mn		0.00228								
Zn		0.00172			0.0016/0.010					

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445C4

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

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METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

₽lease see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor

of 4 or more, no action was taken.

Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

N)N/A

M N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

T#	MS/MSD.ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	32/33	Soil	Al	194	238		1-19	J det (All det)
	02/00		Ba	229	200	49	1	o dot () iii dot/
			Cr	172	145			
			Cu	309		73		
			Pb	401	44	79		J/UJ (All det)
П			Mg	178	-27	73		J/R (All det)
			Ni	150				J det (All det)
			Zn	792	53	122		J/UJ (All det)
			Ca			61		J det (All det)
			Fe			40		1,
			Mn			77	y	J
			•					
2	34/35		Al	274	129		20-30	J det (All det)
			Mn	28	-21			J/R (All det)
			K	126				J det (All det)
			Ва		264	50		1
			Pb		240	49		Y
			Mg		62			J/UJ (All det)
			Zn	72			,	
			Hg		133		J	J det (All det)
			<u> </u>	1	l	<u> </u>	<u> </u>	

Comments: 32/33:Ca, Fe, Mn >4X,34/35: Fe >4X, no qual for %R

LDC #: 31455C4

VALIDATION FINDINGS WORKSHEET ICP Serial Dilution

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METHOD: Trace Metals (EPA SW846 Method6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y)N N/A

If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?

Y N N/A Were ICP serial dilution percent differences (%D) ≤10%?

Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LÉVEL IV ONLY:

YNA Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

<u> </u>	V 1V//_	VVCIC ICOGIOGIAICA ICOG	ita acceptable:	OCC ECVCITY	TCCalculation VVO	institution recalculations.	
#	Date	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
1		2	Soil	Al	12	1-19	J det (All det)
				Ba	11		
				Cr	15		
				Fe	23		
				Mg	12		
				Mn	12		
				V	12		
П				Zn	12	<i>y</i>	}
П							
2		20		Al	63	20-30	J det (All det)
				Ва	62	1	
				Ca	66		
				Cr	66		
Ш				Co	66		
				Cu	61		
				Fe	64		
				Pb	66		
				Mg	70		
				Mn	69		
				K	63		
				V	64		/
				Zn	67	У	J
\square							
Ш							
						·	

Comments:	2: K<50XMDL, 20: Ni, Na < 50XMDL			

LDC#: 31445C4

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page: __of __ Reviewer: ____ 2nd Reviewer: ____

METHOD: Metals (EPA Method 6010C/7471B)

	Concentrat	ion (mg/Kg)	(≤100)			Qualifications
Compound	9	10	RPD	Difference	Limits	(Parent Only)
Aluminum	4250	4760	11			
Antimony	2.0	1.8		0.2	(≤170.6)	
Arsenic	19.4	11.3		8.1	(≤22.8)	
Barium	17.2	42.2	84			
Beryllium	0.26	0.30		0.04	(≤2.2)	
Cadmium	0.54	0.72		0.18	(≤2.2)	
Calcium	1240	1620	27			
Chromium	13.5	18.0	29			
Cobalt	3.6	4.2		0.6	(≤5.6)	
Copper	27.0	39.2	37			
Iron	10100	10900	8			
Lead	37.5	53.6	35			
Magnesium	1300	1500	14			
Manganese	99.5	107	7			
Nickel	7.8	9.2		1.4	(≤56.8)	
Potassium	949	1120	17			
Selenium	1.0	22.6U		21.6	(≤45.4)	
Silver	1.7	2.3		0.6	(≤5.6)	
Sodium	373	440		67	(≤1592)	
Vanadium	15.1	17.2	13			
Zinc	63.3	78.5	21			
Mercury	0.084	0.14	50			

VALIDATION FINDINGS WORKSHEET Initial and Continuing Calibration Calculation Verification

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IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

.n initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

 $R = Found \times 100$ True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	س Found (باg/L)	₩ True (y / g/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
IN	ICP (Initial calibration)	Zu	0,3766	0.375	100	(UO	У
	ICP/MS (Initial calibration)		·				
IcV	CVAA (Initial calibration)	Hg	0,0297	69030	٩٦	59	У
cw	ICP (Continuing calibration)	α	0,500	0,500	tox	10+	\mathcal{L}
	ICP/MS (Continuing calibration)						
cul	CVAA (Continuing calibration)	Hq	0,00203	6,1020	1.2	102	У
	GFAA (Initial calibration)	J					/
	GFAA (Continuing calibation)						

omments:	Refer to Calibration	Verification findings	worksheet for list of	qualifications and	associated samp	oles when reported	results do not agree w	rithin 10.0% of the
<u>calculated</u>	results.				_ 			
								

VALIDATION FINDINGS WORKSHEET **Level IV Recalculation Worksheet**

Page:_	[of]
Reviewer:	<u> </u>
2nd Reviewer:	01

IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

ercent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

 $R = Found \times 100$ True

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation,

Found = SSR (spiked sample result) - SR (sample result).

True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

 $PD = |S-D| \times 100$ (S+D)/2

Where, S = Original sample concentration

D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

 $D = [I-SDR] \times 100$

Where, I = Initial Sample Result (mg/L)

SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
TesAp	ICP interference check	Az	0,1121	0, (0 0	112	112_	Y
105	Laboratory control sample	N'	193,3	15}	(13, 3	113, 4	
32	Matrix spike	Vo	(SSR-SR) 218+	2010	(09	109	
34/35	Duplicate	56	44,48	38,45	15	15	
2	ICP serial dilution	th	0,1446	0, 6665	12	12_	□ ↓

omments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC#: 31445C4

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:_	
Reviewer:	
2nd reviewer:	0

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

YN	ease see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". N N/A Have results been reported and calculated correctly? N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP? N N/A Are all detection limits below the CRDL?						
Detected analyte results for were recalculated and verified using the fol equation:						using the following	
RD FV In. Vol. Dil	tration = \frac{(RD)(FV)(Dil)}{(In. Vol.)} = Raw data cond = Final volume (= Initial volume (= Dilution factor	ロスタント centration ml) ml) or weight (G)	Recalculation: $Pb = \frac{0}{6}$	·147 W8/CX501 D. 48148× 0-8	ml = 8,7	msty	
#	Sample ID	Analyte		Reported Concentration ()	Calculated Concentration (W.C. K.)	Acceptable (Y/N)	
	3	Hg		0,23	0.73		
7	U	Со		4.3	4,3		
3	17	Cu,		19.~	19.2		
4	2	Pb		8.7	8.7		

Note:		

USEPA Region 2
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SOP: H	IW-2 Revision 13	Appendix A.1	Sept. 2006
(t	o) Form I's?		YES NO N/A
	Is the number of samples on the Page the same as the number samples on the Traffic Report sand the Regional Record of Co (ROC) for the data Case?	of sheet	
	ACTION: If no for any of the above, prepared to the second Log and corfor re-submittal of the corrected from the laboratory.	itact RSCC/PO	
4.1.6 <u>S</u> [DG Narrative, DC-1 & DC-2 Form		
	Is the SDG Narrative present?		<u> </u>
	Is Sample Log-In Sheet(Form D present and complete?	C-1)	
	Is Complete SDG Inventory She present and complete?	et(Form DC-2)	
	ACTION: If no, write in the Contract-Proble Non-Compliance Section of the Narrative.		
.1.7 For	rm I to XV		
.1.7.1	Are all the Form I through Form > labeled with:	⟨ V	
	Laboratory Name?		
	Laboratory Code?		[_] <u>/</u>
	RAS/Non-RAS Case No.?		(<u>/</u>)
	SDG No.?		1/1

USEPA REGION 2
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SOP:	HW-2 Revis	ion 13	Appendix A.1	Sept. 2006
A.I.I	Contract Compl Present?	iance Screeni	ng Report	YES NO N/A
	ACTION:	If no, contac	ct RSCC/PO.	
A.I.2	Record of Comm	nunication (fro	om RSCC)	
	Present?		•	
	ACTION:	If no, reques	st from the RSCC.	
A.1.3	Sampling Trip Re	eport	,	
	Present an	d complete?		[<u></u>
	ACTION:	If no, contac	t RSCC/PO.	
A.I.4	Chain of Custody	/Sample Traff	ic Report	
	Present?			<u> </u>
	Legible?	·		<u> </u>
	Signature of present?	sample custo	dian	
	ACTION: If	no, contact RS	CC/WAM/PO.	
A.I.5	Cover Page	•		
	Present?			
	and the verb	Page properly atim signed by the manager's	the lab	<u> </u>
	on the Cover	le identification Page agree w numbers on:		
	(a) Traffic Re	port Sheet?		

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SOP: HW-2	Revision 13	Appendix A.1	Sept. 2006
			YES NO N/A
	Contract No.?		
A.1.7.2	ACTION: If no for any of the above, Contract Problem/Non-Conof the "Data Review Narrate PO for corrected Form(s) for After comparing values on against the raw data, do ar transcription errors exceed reported values on the Formation for the strength of t	mpliance Section tive" and contact rom the laboratory. Forms I-IX ny computation/ 10% of the	
(a) a	ll analytes analyzed by ICP-	AES?	_ []
(b) a	ll analytes analyzed by ICP-I	MS?	_ []
(c) M	ercury?	,	_ [4]
(d) C	yanide?		_ [] 🎣
and c	<u>ON:</u> , prepare Telephone Record contact CLP PO/TOPO for the from the laboratory.		
hard/	<u>Data</u> shall not be validated with electronic copies of the as lata for samples and QC sa	sociated	
A.1.8.1	Digestion/Distillation Log		
	tion Log for ICP-AES XII)present?		
	tion Log for ICP-MS XII) present?		
	tion Log for mercury XII) present?		
	ation Log for cyanide XII) present?	·	
Are of	ł values for metals and		

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision 13	Appendix A.1	Sept. 2006
				YES NO N/A
	-	reported for each s sample?		<u></u> _
		cent solids calculations for soils/sediments?		M
		paration dates present on t preparation logs/bench she		
		Distillation log must include weights, ns used to obtain the reported resull		
4.1.8.2	2 ls real-time	the analytical instrument printouts present for:		
	ICP-AES	3?		
	ICP-MS?	>		
	Mercury?	>		M
	Cyanide	•		
	and instru necessar	poratory bench sheets ument raw data printouts y to support all sample and QC operations:		
L	egible?			<u> </u>
Р	roperly la	beled?		M
		I samples, QC samples QC samples present on:		
D	igestion/E	Distillation log?		
ln	strument	Printouts?		M
1	ACTION:			

If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision 13	Appendix	A.1	Se	ept. 2	006
					YES	NO	N/A
(E	Examine sa	cal Holding Times: (Aq mple Traffic Reports and digest he holding time from the sampl on date.)	ion/distillation logs to				
A.1.9.1	1 C	yanide distillation(14 da	ys)exceeded?		_ []	~	
	N	lercury analysis(28 days	s) exceeded?		_ [🗸	<u> </u>	
	0	ther Metals analysis(18	0 days)exceeded?	<u></u>	_[]		
	and flag	√: eject (R) and red-line not eas estimated (J)results (s) was preserved proper eight	≥ MDL even				
1 At	a list of all which exce be prepare the number (Subtract Il from the sa	to qualifying the data, samples and analytes eded the holding times must d. Report for each sample of days that were exceeded. The sample collection date imple preparation date).					
A.1.9.2	ls	pH of aqueous samples	s for:				
1	Metals A	nalysis ≤2?			<u>_</u>		_
(Cyanide	Analysis ≥ 12?					
Į.		ny of the above, flag sts as "R" and detects as "	J".		/		
A.1.9.3 ls	the coo	ler temperature ≤ 10 C	°?		<u>/</u> _	_	
lf n		emperature is >10°C , flag ts as "UJ" and detects as	3				
A.1.10 <u>F</u>	inal Dat	a Correctness - Form	<u>1</u> ·				

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A.1.10.1 Are Form I's for all samples

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revision 13	Appendix A.1	S	ept. 2	006
				YES	NO	N/A
	prese	ent and complete?			· _	
	Loga	ON: prepare Telephone Recorand contact CLP PO/TOPO ittal from the laboratory.				
A.1.10).2		ation and transcription errors in the sle on each Form I all results that a		ect.	
		Is the calculation error les	ss than 10% of the correct result?			
		Are results on Form I's re MG/KG for soils)?	ported in correct units (ug/L for aq	ueous ar	nd ——	
		Are results on Form I'S re	ported by correct significant figu	res? [<u>/</u>	_j _	
		Are soil sample results on corrected for percent solid		[]		
		Are all "less than MDL" va by the CRQLs and coded v	•	[]		
	Ь	Are values less than the Cout greater than or equal to DLs flagged with "J"?		[]		
		Are appropriate contractua ontrol and Method qualifier	• •	[]		
	I P	ACTION: f no for any of the above or repare Telephone Record CLP PO/TOPO for correcte	Log, and contact			
1.10.3	a s o	o EPA sample identification the corresponding laborate ample identification number the Cover Page, Form I'the raw data?	oratory ers match	[]		

Was a brief physical description

USEPA Region 2 Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13	Appendix A.1	Sept. 20	06
			YES NO	N/A
	of the samples before and digestion given on the For		[] 🕢	
·	Was any sample result our mercury/cyanide calibratio or the ICP-AES/ICP-MS lir diluted and noted on the F	n range near range		
	ACTION: If no for any of the above, the Contract-Problem/Non-Section of the Data Review	-Compliance		
A.1.11 <u>Initia</u>	al Calibration			
A.1.11.1	Is a record of at least 2 poi (A blank and a standard)ca present for ICP-AES analys	llibration	, <i>f</i>	
	Is a record of at least 2 point (a blank and a standard)calibrat present for ICP-MS analysi	tion	[]	<u> </u>
	Is a record of at least 5 poir (a blank & 4 standards)present		[<u></u>	-
	Is a record of at least 4 poir (a blank & 4 standards)present		[]	
	ACTION: If incomplete or no initial ca was performed, reject (R) a the associated data (detects	nd red-line		
	Is one initial calibration stan at the CRQL level for cyanic mercury?		<u></u>	
	ACTION: If no, write in the Contract P Non-Compliance Section of Review Narrative.			
·· · · · · · · · · · · · · · · · · · ·	Is the curve correlation coefficient > 0.995 for:			

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Evaluation of Metals Data for the Contract Laboratory Program
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SOP: HW	-2 Revision 13 App	pendix A.1	Sept.	2006
	A		YES NO	N/A
	Mercury Analysis?		<u> </u>	
	Cyanide Analysis?		[]	
	ICP-AES (more than 2 point Ca	llib.)?	[]	-
	ICP-MS (more than 2 point ca	lib.)?	[]	
	ACTION: If no, qualify the associate results > MDL as estimated "non-detects as "UJ". NOTE: The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.gabsorbance, peak area, peak height, en	J" and		
A.1.12	Initial and Continuing Calibrat	ion Verification-	Form IIA	
A.1.12.1	Present and complete for event metal and cyanide?	ry	<u></u>	_ '
	Present and complete for ICP and ICP-MS when both these me were used for the same analyt	ethods	[]	V
	ACTION: If no for any of the above, predephone Record Log and cont for re-submittal from the lab	act PO/TOPO		
A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?		[]	
	ACTION: If no for any of the above, win the Contract-Problem/Non-Contract Review Na	ompliance		
.1.12.3	Was an ICV or a mid-range sta distilled and analyzed with e of cyanide samples?		[]	\checkmark

Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13	Appendix A.1	Se	ept. 2	2006	
			YES	NO	N/A	
	Section of the Dat	the above, write coblem/Non-Compliance and MDL as estimated (J).			,	
A.1.12.2	Circle on each Form IIA that are outside the cont					
	Are ICV/CCVs within con	ntrol limits for:				
	Metals - 90-110%	₹?	[1]			
	Hg - 80-120%R?		$[\underline{\checkmark}]$			
	Cyanide - 85-115%l	R?	[]		<u>~</u>	
		between a previous technically a ent technically acceptable CCV s	•	CV		
	if the ICV/CCV %R is bet Qualify only positive results between 111-125%(121- red-line only detects if the recovery is CN). Reject (R) and red-line	all detects and non-detects, tween 75-89%(65-79% for Hg; 70 lts(≥ MDL) as "J" if the ICV/CCV 135% for Hg;116-130% for CN). greater than 125% (135% for Hg ine all associated results (hits an less than 75%(65% for Hg;70% to the content of the con	%R is Reject (R) a ; 130% for d non-	·		
	NOTE: For ICV that does not fall within the qualify all samples reported from					
A.1.12.3	Was the distilled ICV or n standard for cyanide with limits (85-115%)?	•	[]	P	<u> </u>	
	ACTION: If no, Qualify all cyanide r	results > MDL as "J".				

1.1.13 CRQL Standard Analysis - Form IIB

4.1.13.1 For each ICP-AES run, was a CRI

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP:	HW-2	Revisi	on 13		Appendix	A.1	Se	pt. 200	16	
	standa	or MDL wrd analyze (Note:CRI Ca, Fe, Mg	d? is not re	equired for	r Al, Ba,		YES	<u>NO</u> <u>1</u>	<u></u>	
	() E	CRQL or MD	L when MD or each ma	n, was a CR L > CRQL) st ass/isotope	andard		[]		V	
		or each m tandard ar	-	ı, was a CR	QL					
		or each cy tandard an		, was a CR(QL		[]		~	
	If th No No in an	on-Complicarrative, in the affected non-detected ranges	cy in the (ance Sect form CLP ed ranges ects UJ. are:	Contract Pro ion of the D PO and fla	ata Review					
٨	Nercury / Cyanide /	Analysis - Analysis -	*True Val *True Val	ue <u>+</u> CRQL ue <u>+</u> CRQL ue <u>+</u> CRQL crQL stand	iard					
.1,13.2	IC\ on	VICB, befo ce every 2	ore the fin O analytica	analyzed a al CCV/CC al samples ach analysis	B and in		[]	<u> </u>		
	If n No	TION: o, write in n-Complia ata Review	nce Sectio		n/		·	·		
.1.13.3		cle on each		Ball percent	t					

acceptance windows.

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Evaluation of Metals Data for the Contract Laboratory Program Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1	S	ept. 2006	
	Is the CRQL standard with limits for:	in control	<u>YES</u>	NO N/A	
	Metals(ICP-AES/ICP-MS)-	70 - 130%?	[<u></u>	/ — -	<u>-</u>
	Mercury- 70 - 130%?		[]		
	Cyanide - 70 - 130%?		[]		V
	ACTION: If no, flag detects <2xCRQI non-detects as "UJ" if the C recovery is between 50-699 detects <2xCRQL if the rec 131% and ≤180%. If the rec 150%, reject(R) and red-line detects < 2xCRQL, and flag 2xCRQL and ICV/CCV. Rej detects <2xCRQL and flag but < ICV/CCV if the recover	CRQL standard %. Flag(J) only covery is between covery is less than e non-detects and g (J) detects between ject and red-line only (J)detects ≥ 2xCRQL			
	NOTE: 1.Qualify all field samples a previous technically acthe CRQL standard and a standard sign analysis of the CRQL standard. 2.Flag (J) or reject (R) on sample results on Form I' raw data are within the atand the CRQL standard is acceptance windows. 3.The samples and the CRQL standard in the same analysed in the same analysed.	ceptable analysis of ubsequent acceptable dard ly the final s when Sample ffected ranges outside the standard must be			
.1.14 <u>Initi</u>	al and Continuing Calibratio	on Blanks - Form III			
.1.14.1	Present and complete for all the instruments used for the metals and cyanide analyse		[<u>✓</u>]		
	Was an initial Calibration Bla analyzed after ICV?	ank	[]		_
	Was a continuing Calibration analyzed after every CCV ar 10 samples or every 2 hours is more frequent?	nd every	[]		_
	Were the ICB & CCB values reported on Form III and flag				

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SOP: HW-2	Revision 13	Appendix A.1	S	ept. 2006
	using MDLs from direct analy	sis(Preparation	YES	NO N/A
	Method "NP.1")? (Check Form III against th	ne raw data)	[]	
	ACTION: If no, inform CLP PO/TOPO a in the Contract-Problems/Nor Section of the "Data Review I	n-Compliance		
A.1.14.2	Circle with red pencil on each all Calib. Blank values that are			
	≥ MDL t	but <u><</u> CRQL		·
	> CRQL	-	1	
A.1.14.2.1	When MDL < CRQL, is any C value ≥ MDL but ≤ CRQL?	alib. Blank	X	[<u>/</u>] _
	ACTION: If yes, change sample results but ≤ CRQL to the CRQL with Do not qualify non-detects.			
	en MDL < CRQL, is any Calib. ue > CRQL?	. Blank		[_]
,	ACTION: If yes, reject (R) and red line the associated sample results > Cledet of the control o	RQL lag as "J" e but the sample		
	ny Calibration Blank value ow the negative CRQL?			<u></u>
ا ع	ACTION: f yes, flag (J) as estimated all associated sample results <u>></u> CF <10xCRQL.	RQL but		

NOTE:

For ICB that does not meet the technical QC Criteria, apply the action to all samples

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USEPA Region 2

· Evaluation of Metals Data for the Contract Laboratory Program

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SOP: HW-2	Revision 13	Appendix A.1	Se	pt. 200	5
,			YES	NO N	/ <u>A</u>
2. Foi app prev a su	orted from the analytical run. r CCBs that do not meet the technical QC ly the action to all samples analyzed beto vious technically acceptable analysis of C ubsequent technically acceptable analysi in the analytical run.	ween a CCB and			
A.1.15	<u>Preparation Blank - Formation Blank - Formation Blank for is the same as the calibration between the calibration of the same as the calibration between the calibration of the same as the calibration of the calibration of the calibration of the calibration of the calibration of </u>	or mercury			
A.1.15.1	Was one Preparation Bi with and analyzed for				
	Each Sample Delivery (Group (SDG)?	[]		
	Each batch of the SDG digested/distilled?	samples			
	Each matrix type?	,			
	All instruments used fand cyanide analyses?	for metals			
	ACTION: If no for any of the a as estimated (J) all t positive data <10xMDL Preparation Blank was	he associated for which the			
	NOTE: If only one blank was analyzed than 20 samples, then the first analyzed are not estimated(J), additional samples must be quant	st 20 samples ,but all			
	ircle with red pencil of the Prep. Blank values				
	≥ MDL but ≤ C	RQL, and			
	> CRQL		_		
	When MDL < CRQL, is an value <u>></u> MDL but <u><</u> CRQL'			[]	
	· cmrox				

If yes, change sample result ≥ MDL

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SOP: HW-	-2 Revision 13	Appendix A.1		Sept.	20.06	
			YES	NO	<u>N/A</u>	
	but \leq CRQL to CRQL with a	a "U".				
A.1.15.2.	2 When the MDL \leq CRQL, is a Blank value greater than			· [_	<u></u>	
	If yes, is the Prep. Blar greater than the value of Field Blank collected and the SDG samples?	the associated		. [.	<u></u>	
	If yes, is the lowest conthat analyte in the associes than 10 times the Pr Blank value?	iated samples		[_	<u></u>	
	ACTION: If yes, reject (R) and re sample results greater th than the Prep.Blank value detects > Prep. Blank value if the sample result > MD it with CRQL-U.	an the CRQL but less . Flag as "J" ue but <10xPrep.Blank				
	If the Prep. Blank value analyte value in the Field qualify the sample results Prep. Blank criteria.	d Blank, do not				
	NOTE: Convert soil sample result to mg/K wet weight basis to compare with t Prep. Blank result on Form III.					
1.15.2,3	Is the Prep. Blank concent below the negative CRQL?	ration —		[/]		
	ACTION: If yes, flag (J) all associant sample results less than 1 Qualify non-detects as est	0xCRQL.				
.1.15.2.4	When the MDL is greater the CRQL, is the preparation be concentration on Form III than two times the MDL?	lank		[]	<u> </u>	,

ACTION:

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SOP: HW-	2 Revision 13 Appendix A.1	S	ept. 20	06
		YES	<u>NO</u>	N/A
	If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.			
A.1.16	<pre>ICP-AES/ICP-MS Interference Check Sample (I NOTE:Not required for CN, Hg, Al, Ca, Fe and Mg.</pre>	(CS) - For	m IV	
A.1.16.1	Present and complete?	[]		<u></u>
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?	[]	<u> </u>	
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	[]		1
	<u>ACTION</u> : If no, flag as estimated (J) all sample results.			
. 1 16 2	TCD AWG Mothod			
1.1.16.2	ICP-AES Method			
1.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" analyte values within the control limits <u>+</u> of CRQL of the true/established mean value?			
·	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?	[]		
	ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:			

Flag (J) as estimated only sample results $\geq MDL$

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SOP: HW	-2 Revision 13	Appendix A.1	S	ept. 2	2006
			YES	. <u>NO</u>	N/A
	for which the ICSA "Found" (True value+CRQL). Do not q If the ICSA "Found" value i (True value-CRQL), flag non detects as "J".	ualify non-detects. s less than			
A.1.16.2.	3 ICSAB Solution For ICP-AES, are all analyte ICSAB within the control lin of the true/established mean	mits of 80-120			
	If no for any of the above, sample concentration of Al, or Mg in the same units (ug, greater than or equal to its concentration in the ICSAB SForm IV?	Ca, Fe, /L or MG/KG) s respective	[]		<u> </u>
	ACTION: If yes, apply the following all samples analyzed between technically acceptable analy ICS and a subsequent technicanalysis of the ICS in the a	a previous sis of the ally acceptable			
•	Flag (J) as estimated those sample results ≥ MDL for whi analyte recovery is greater ≤ 1.50%. If the ICSAB recover 50-79%, qualify sample resul and non-detects as "UJ". Rejul all sample results (detects which the ICSAB analyte recombines of the recovery is above and red-line only positive results.	ch the ICSAB than 120% but y falls within ts ≥ MDL as "J" ect (R) and red-line & non-detects) for very is less than e 150%, reject (R)			
.1.16.3	ICP-MS Method				
.1.16.3.1	ICSA Solution: For ICP-MS, are the ICSA "F values within the control of the true/established mean ACTION: If no, apply the following ac samples reported from the ana	limits of <u>+</u> CRQL value?	[]	**************************************	<u>~</u>
	Flag (J) as estimated only saif the ICSA "Found" value is (True value+CRQL). Do not qualf the ICSA "Found" value is (True value-CRQL), flag the a	greater than lify non-detects. less than			

detects as "J" and non-detects as "UJ".

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			YES	NO	N/A
A.1.16.3.3	For ICP-MS, are all analyte in ICSAB within the control 80-120% of the true/establi value, whichever is greater	limits of shed mean	()		<u></u>
	<u>ACTION</u> : If no, apply the following samples reported from the a				
	Flag (J) as estimated those sample results ≥ MDL for whanalyte recovery is greater ≤ 150%. If the ICSAB recove 50-79% flag (J) as estimate sample results ≥ MDL. Reject those all sample detects an which the ICSAB analyte recovery is abound red-line only detects (tich the ICSAB than 120% but ry falls within d the associated t (R) and red-line d non-detects for overy is less than bye 150%, reject (R)			
A.1.17	Spiked Sample Recovery: Pre Note: Not required for Ca, Mg, K,				
A.1.17.1	Was Matrix Spike analysis po	erformed:			
	For each matrix type?		[]		
	For each SDG?		(<u>√</u>)		
	On one of the SDG samples?		[]		
	For each concentration range (i.e.,low, med., high)?	e	[]		
	For each analytical Method (ICP-AES,ICP-MS, Hg, CN)used	1?	[<u>V</u>]		
	Was a spiked sample prepared analyzed with the SDG sample				
	ACTION: If no for any of the above, estimated(J)all the positive for which a spiked sample was analyzed.	data data			
-	NOTE: If more than one spiked sample wer	e			

analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

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	·		YES	NO	N/A
A.1.17.2	Was a field blank or PE sample for the spiked sample analysis?				-
	ACTION: If yes, flag (J) as estimated point data of the associated SDG samp which field blank or PE sample for the spiked sample analysis.	les for was used			
A.1.17.3	Circle on each Form VA all spik recoveries that are outside the control limits (75-125%) that h sample concentrations less than times the added spike concentra	ave four			
	Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.		(••••••••••••••••••••••••••••••••••••••
	Are results outside the control (75-125%) flagged with Lab Qualif on Form I's and Form VA? ACTION: If no for any of the above, writthe Contract - Problems/Non-Comp Section of the Data Review Narra	ier "N" e in liance	[]		
.1.17.4	Aqueous				
	Are any spike recoveries:				
	(a) less than 30%?			[]	
	(b) between 30-74%?			[] [] []	
	(c) between 126-150%?			[]	\angle
	(d) greater than 150%?			[]	
	ACTION: If the matrix spike recovery is 30%, reject (R) and red-line all a aqueous data (detects & non-detect between 30-74%, qualify all associaqueous data > MDL as "J" and non	associated ets). If ciated			

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			YES	ЙО	N/A
		26-150%, flag (J) . If greater than 150%, ne all associated data >	MDL.		
	(NOTE:Replace "N" with "	J", "R" as appropriate.)			
A.1.17.5	Soil/Sediment				
	Are any spike recoveri	es:		,	
	(a) less than 10%?			[]	
	(b) between 10-74%?			[]	
	(c) between 126-200%?			[]	
	(d) greater than 200%?			[]	
	ACTION: If yes for any of the as follows:	above, proceed yate were	fume	Tro of	m T
	(R) and red-line all as	covery is less i red-line all ts & non-detects); ify all associated non-detects as "UJ"; lag (J) all associated reater than 200%, reject			
.1.18	Lab Duplicates) - Form	ı VI			
.1.18.1	Was the lab duplicate a	nalysis performed:			
	For each SDG?		[]		
	On one of the SDG sampl	es?	. []	<u> </u>	
	For each matrix type?		[]	\checkmark	
	For each concentration (low or med.)?	range	[]	<u>√</u>	
	For each analytical Met (ICP-AES/ICP-MS,Hg,CN)U		[]	V	
	Was a lab duplicate pre		f 1	/	

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<u></u>			YES	<u>NO</u>	N/A
	ACTION: If no for any of the ab estimated all the SDG s (detects & non-detects) duplicate analysis was:	ample results for which the lab			
	NOTE: If more than one lab duplicate were analyzed for an SDG, the the associated samples based worst lab duplicate analysis.	en qualify on the			·
A.1.18.2	Was a Field Blank or PE for the Lab Duplicate ar			[]	_
	ACTION: If yes, flag as estimate SDG sample results (hits for which Field Blank o used for duplicate analy	& non-detects) r PE sample was			
A.1.18.3	Circle on each Form VI a that are:	ll values			
	RPD > 20%, or				
	Absolute Difference > CR	QL			
	Are all values within collimits (RPD \leq 20% or absolifference \leq \pm CRQL)?		[]		_
	If no, are all results or control limits flagged with (Lab Qualifier) on Form VI all Form I's?	ith an "*"	[]		_/
	ACTION: If no, write in the Contr Non-Compliance Section of Review Narrative.				
	NOTE: The laboratory is not required report on Form VI the RPD when both values are non-detects.	to			
A.1.18.4	Aqueous				

A.1.18.4.1 When sample and duplicate values are both

> 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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SOP: HW-	2 Revision 13	Appendix A.1		Sept. 20	06	
		. <u>Y</u> I	ES	NO	N/A	
	is any RPD > 20% but < 100	%? 		[]		
	is any RPD \geq 100%?			[]	_	•
	ACTION: If the RPD is > 20% but < 100 flag (J) as estimated the assample data > CRQL. If the > 100%, reject (R) and redassociated sample data > CRQL (NOTE:Replace "*" with "J" or "R	associated RPD is -line the RQL.				
A.1.18.4.2	When the sample and/or dupl <5xCRQL (substitute MDL for 0 is the absolute difference and duplicate values:	CRQL when MDL >CRQL),				
	> ± CRQL?			[] []	_	
	> ± 2xCRQL?		_	[]	_	
	ACTION: If the absolute difference flag as estimated all the a sample results ≥ MDL but < and non-detects as "UJ". If difference is > 2xCRQL, rejered-line all the associated and detects ≥ MDL but < 5xCl NOTE: 1. Replace "*" with "J", "UJ" or calculate the absolute difference and the MDL, and use this difference the absolute difference and the MDL, and use this difference the absolute	ssociated 5xCRQL as "J" the absolute ect (R) and non-detects RQL. "R" as appropriate.) other value is non-detect, nce between the value > CRQL	ts.			
.1.18.5	Soil/Sediment					
	When sample and duplicate vare both \geq 5xCRQL (substitute CRQL when MDL $>$ CRQL),					
	is any RPD <u>></u> 35% but < 120%?		-	· []	_	
	is any RPD ≥ 120%?		-	[]		
	ACTION: If the RPD is > 35% and < 12 (J) as estimated the associa					

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SOP:	HW-2	Revision 13	Appendix A.1		Sept: 2	2006
				YES	NO	N/A
			the RPD is \geq 120%, reject the associated sample			
A.1.1	8.5.2	.<5xCRQL(substitut	and/or duplicate value e MDL for CRQL when MDL > CRQL), difference between sample			
		> <u>+</u> 2 x CRQL?	•		[]	
		> <u>+</u> 4 x CRQL			[]	
		flag all the asso but < 5xCRQL as If the absolute of	difference is > 2 x CRQL, ociated sample results > MDL "J" and non-detects as "UJ". difference is > 4xCRQL, reject all the associated non-detects L but <5xCRQL.			
		If one value is >0 calculate the absorption	"J", "UJ" or "R" as appropriate.) CRQL and the other value is non-detect, olute difference between the value > CR use this difference to qualify sample r	QL		

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair collected and analyzed?
(Check Sampling Trip Report)

ACTION:

If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

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SOP: HW-	-2 Revision 13	Appendix A.	1	Sept.	2006
	,		YES	NO	N/A
	QC criteria stated	in Sections A.1.19.2	and A.1.19.3.		
	 Do not calculate RPE Substitute MDL for CR If one value is >CRQI non-detect, calculate 	and the other value is the absolute difference CRQL and the MDL, and use			
A.1.19.2	Circle all values of for Field Duplicate	on the Form (Appendix) s that have:	A.4)	·	•
	RPD <u>></u> 20% or				
	Difference > + CRQL				
•	When sample and dup both ≥5xCRQL (substite MDL > CRQL),				,
	is any RPD > 20%?			[\perp
	is any RPD ≥ 100%?			[.)
	the associated sample results \geq CRQL. If the	but < 100%, flag (J) cole and its Field Dupliche RPD is \geq 100%, rejue associated sample and the CRQL.	.cate ect(R)		
A.1.19.3	<5xCRQL (substitute M	or duplicate value(s) DL for CRQL when MDL >CI erence between sample	= ' '		
	> ± CRQL?			[]	
	> <u>+</u> 2 x CRQL?		-	[
	ACTION: If the absolute diffference of the absolute difference of the and non-detects as ""		ce c		

is > 2xCRQL, reject (R) and red-line non-detects

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SOP: HW-2 Revision 13 Appendix A.1 Sept. 2006 YES NO N/Aand results > MDL but <5xCRQL of the sample and its Field Duplicate. Soil/Sediment Field Duplicates Was a soil field duplicate pair A.1.19.4 collected and analyzed? (Check Sampling Trip Report) ACTION: If yes, for each soil Field Duplicate pair proceed as follows: Prepare Appendix A.4 for each Field Duplicate pair. Report on Appendix A.4 all sample and its Field Duplicate results in MG/KG from their respective Form I's. Calculate and report RPD when sample and its duplicate values are both greater than 5xCRQL. Calculate and report the absolute difference when at least one value (sample or duplicate) is < 5xCRQL. Evaluate the Field Duplicate analysis in accordance with the QC Criteria stated in Sections A.1.19.5 and A.1.19.6. 1. Do not transfer "*" from Form I's to Appendix A.4. 2. Do not calculate RPD when both values are non-detects. 3. Substitute MDL for CRQL when MDL > CRQL. 4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and apply the criteria to qualify the results. Circle on each Appendix A.4 all A.1.19.5 values that have: RPD \geq 35%, or Difference $> \pm 2xCRQL$ When sample and duplicate values are both > 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is any RPD > 35% but < 120%? is any RPD $\geq \frac{120}{8}$?

ACTION:

If the RPD is \geq 35% but < 120%,

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	flag only the associate		YES	NO N/A
	and its Field Duplicate ≥ CRQL as "J". If the i reject (R) and red-line and its Field Duplicate	RPD is \geq 120%, e only the sample		
A.1.19.6	When the sample and/or <5xCRQL (substitute MDL is the absolute different and Field Duplicate:	for CRQL when MDL > CRQL),		
	.> ± 2 x CRQL?			[]
	> <u>+</u> 4 x CRQL?			
	ACTION: If the absolute differe Sample and its Field Du but <5xCRQL as "J" and If the difference is >4 red-line non-detects an <5xCRQL of the sample a	plicate resuts > MDL non-detects as "UJ". xCRQL, reject(R) and detects > MDL but		·
4.1.20	Laboratory Control Samp	le (LCS)- Form VII		
4.1.20.1	Was one LCS prepared and	d analyzed for:		
	Each SDG?		[]	
	Each matrix type?		[]	
	Each batch samples dige: For each Method(ICP-AES) used?		(<u>√</u>)	-
:	Was an LCS prepared and the samples? ACTION: If no for any of the about the local second Log and the local second Log and the local second Log and LCS results. Flag (J) as the data for which an LC analyzed.	ove, prepare d contact ttal of the s estimated all	()	
	NOTE: If only one LCS was analyzed	for		

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	more than 20 samples, then the firs 20 samples analyzed are not flagged but all additional samples must be qualified (J).		YES	МО	<u>N/A</u>
A.1.20.2	Aqueous LCS				
	Circle on each Form VII the L recoveries outside control li				
	NOTE: 1.Use digested ICV as LCS for 2.Use distilled ICV as LCS for				
	Is any LCS recovery:				
	Less than 50%?			[]	
	Between 50% and 79%?			(\angle)	·
	Between 121% and 150%?				
	Greater than 150%?		 .		
	ACTION: If the LCS recovery is less the reject (R) and red-line all assample data (detects & non-detect a recovery between 50-79%, flas "J" all non-detects as "UJ" recovery is between 121-150%, detects as "J". if the recover than 150%, reject (R) and red-	ssociated sects); for g detects . if the LCS flag only y is greater		·	
A.1.20.3	Solid LCS				
	If an analyte's MDL is equal to greater than the true value of disregard the "Action" below for analyte even though the LCS is control limits.	LCS, or that			·
	Is the LCS "Found" value greate than the Upper Control Limit reported on Form VII?	er		[]	

ACTION:

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	If yes, flag (J) all the asso detects \geq MDL as estimated (J		YES	NO	<u>N/A</u>
	Is the LCS "Found" value lowe than the Lower Control Limit reported on Form VII?	r		[]	/
·	ACTION: If yes, flag detects as "J" as non-dectes as "UJ".	ad			
A.1.21	ICP-AES/ICP-MS Serial Dilut NOTE:Serial dilution analysis is req when the initial concentration is eq greater than 50 x MDL.	uired only			
A.1.21.1	Was a Serial Dilution analysis performed:	;			
	For each SDG?		[]		
	On one of the SDG samples?		[<u>/</u>]		
	For each matrix type?		$[\underline{\hspace{1cm}}]$		 -
	For each concentration range (low or med.)?		[
	Was a Serial Dilution sample analyzed with the SDG samples?		[]		
	ACTION: If no for any of the above, fl as estimated (J) detects ≥ MDL all the SDG samples for which ICP Serial Dilution Analysis wonot performed.	of the			
1.1.21.2	Was a Field Blank or PE sample for the Serial Dilution Analys:			[_]	
	ACTION: If yes, flag as estimated (J) or MDL of all the SDG samples	letects			
1 21 2	Circle on Form VIII the Percent	nifferences			

-40-

(%D) between sample results and its dilution results that are outside the control limits \pm 10%

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	when initial concentrations >	50 x MDLs.	YES	<u>NO</u>	N/A
	Are results outside the contr limits flagged with an "E"(Lak on Form VIII and all Form I's	o Qualifier)	[]	_	
	ACTION: If no, write in the Contract-Non-Compliance Section of the Review Narrative.				
A.1.21.4	Are any %D values:				
	> 10%?		_	[]	
	≥ 100%?				
	ACTION: If the Percent Difference (%D) greater than 10%, flag (J) as all associated samples whose rif the %D is > 100%, reject all associated samples with ra	estimated raw data ≥ MDL; (R) and red-line			
	(NOTE:Replace "E" with "J" or "R"	as appropriate.)			
A.1.22	Total/Dissolved or Inorganic/T	otal Analytes			
4.1.22.1	Were any analyses performed for dissolved as well as total and on the same sample(s)? Were any analyses performed for inorganic as well as total and on the same sample(s)?	lytes r			
	ACTION: If yes, prepare a Form (Appendent to compare the differences between dissolved (or inorganic) and total analyte concentrations. Computed difference on Appendix A.5 as a coff the total analyte only when the following conditions are full to the following conditions are full to the following conditions.	ween cal e each n percent both of			
	(1) The dissolved(or inorganic) is greater than total concentr(2) greater than or equal to 5x	cation, and			
.1.22.2	Is any dissolved (or inorganic) concentration greater than its total concentration by more tha			X	_

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			YES	NO N/A	
A.1.22.3	Is.any dissolved(or ino concentration greater total concentration by	than its			
	ACTION: If the percent different than 20%, flag (J) both and total concentrations the difference is more than the difference is more than the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the value of the difference both the difference bo	dissolved/inorganic s as estimated. If than 50%, reject (R)			
A.1.23	Field Blank - Form I NOTE: Designate "Field Blank"	ank" as such on Form I			
	Was a Field/Rinsate Bank and analyzed with the SD				
	If yes, is any Field/Rin absolute value of an ana greater than its CRQL(or	alyte on Form I		· ·	
	If yes, circle the Field on Form I that is greate CRQL,(or 2 x MDL when MDL >	er than the			
	Is any Field Blank value than CRQL also greater t Preparation Blank value?	han the			
ā	If yes, is the Field Bla (> CRQL and > the prep. already rejected due to controlleria?	blank value)	[]		

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result > MDL but < CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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	Prep.Blank value, do not qual	lify the sample	YES	NO	N/A
	results due to the Field Blar				
	NOTE: 1. Field Blank result previously reduce to other criteria cannot be				
	qualify field samples. 2. Do not use Rinsate Blank associa soils to qualify water samples as				
A.1.24	Verification of Instrumental	Parameters - Form	n IX, XA,	XB, XI	
A.1.24.1	Is verification report presen	t for:	_		•
	Method Detection Limits (Form	IX-Annually)?			
	<pre>ICP-AES Interelement Correcti (Form XA & XB -Quarterly)?</pre>	on Factors		*	
	ICP-AES & ICP-MS Linear Range: (Form XI-Quarterly)?	s	[]		
	ACTION: If no, contact CLP PO/TOPO for submittal from the laboratory				
1.1.24.2	Method Detection Limits - Form	IX			
1.1.24.2.1	Are MDLs present on Form IX fo	or:			
	All the analytes?		[<u>V</u>]	-	
	All the instruments used?		[<u></u>		
	Digested and undigested samples and Calib.Blanks?		<u>/</u>		
	ICP-AES and ICP-MS when both instruments are used for the same analyte?		[]		_
	ACTION:		-		,
	If no for any of the above, pro Telephone Record Log and contact PO/TOPO for submittal of the MI	ct CLP OLs from			
	the laboratory. Report to CLP H write in the Contract Problems,				

Non-Compliance Section of the Data Review Narrative if the MDL concentration is not

less than ½ CRQL.

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A.1.24.2.	.2 Is MDL greater than the (for any analyte?	CRQL .	YES —	<u>NO N/A</u> [_ ✓]
	If yes, is the analyte cor on Form I greater than 5 the sample analyzed on th whose MDL exceeds CRQL?	x MDL for	[]	<u>~</u>
	ACTION: If no, flag as estimated values less than five tim the analyte whose MDL exc	es MDL for		
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result high the high linear range for or ICP-MS?			[<u>V</u>]
	Was any sample result high the highest calibration st for mercury or cyanide?			
	If yes for any of the above the sample diluted to obta- result reported on Form I?	ain the	[]	
	ACTION: If no, flag (J) as estimate affected detects (> MDL) ron Form I.			
1.1.25	ICP-MS Tune Analysis - Fo	orm XIV		
.1.25.1	Was the ICP-MS instrument tuned prior to calibration	?	[]	
	ACTION: If no, reject (R) and red- sample data for which tuni performed.			
	Was the tuning solution an or scanned at least five t consecutively?		[]	
	Were all the required isoton spanning the analytical random present in the tuning solutions.	nge	[]	
	Was the mass resolution wit	thin		•

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<u></u>			YES	NO N/A	
0.l amu	for each isotope in the tuning solution?		[]		
	Was %RSD less than 5% for isotope of each analyte tuning solution?		[]		_
	ACTION: If no for any of the above all results > MDL associated "J", and associated with that Tune	ted with that nd all non-detects			
A.1.26	ICP-MS Internal Standards	- Form XV			
A.1.26.1	Were the Internal Standar to all the samples and al samples and calibration s (except the Tuning Soluti	l QC tandards	[]		
	Were all the target analy masses bracketed by the m of the five internal stan	asses	[<u>·</u>]		
	ACTION: If none of the Internal S added to the samples, rej red-line all the associate (detects & non-detects). standards were used but dithe analyte masses, rejectionly the analyte results the internal standard mass	ect (R) and ed sample data If internal id not cover all t (R) and red-line not bracketed by			
A.1.26.2	Was the intensity of an In Standard in each sample wi of the intensity of the sa Standard in the calibration	thin 60-125% me Internal	[]		
	If no, was the original sa two fold, Internal Standar sample re-analyzed?		[]		
	Was the %RI for the two fo within the acceptance limi		[]		
	ACTION: If no for any of the above as "J" and non-detects "UJ analytes with atomic mass	of all the			
	atomic mass of the interna	l standard lighter			

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					·
than the	atomic ma	nternal standard, ass of the intern affected interna	al standard heavie	r	
	chan che	ullooted interin	i blandid.		
A.1.27	Percent S	olids of Sedimen	<u>ts</u>		
A.1.27.1	Are perce	nt solids in sed	iment(s):		
	< 50%?				<u> </u>
	non-detec	ts of a sample th	ted (J) all detect nat has percent so content greater that	lids	
	that were no	y the sample results ot previously flagge r QC criteria.	d .		
		•			
•					•
Inorgan	nic Data R	<u>eview Narrati</u>	<u>ve</u>		
		,			
Case#		Site:		Matrix: Soil	
SDG#		Lab:		Water	
Sampling	Team:	Review	/er:	Other	
T				d by the data	validator and must
J -		This flag indica	ates the result qua	alified as est	imated
R ar	d Red-Line -	The red-lined da		ontain signifi	ates unusable value. Cant errors based or the data user.
u -			ation qualifier is ciated blank is co		ample results
Full	y Usable Data	- The result usable.	s that do not carr	ry "J" or "red	-line" are fully
	oratory Qual		stractual qualifies	r on all	

Site: Glen Isle

Laboratory: Test America Buffalo, NY

Report No.: 480-55212-1

Reviewer: Christina Rink and Josephine Go/Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date: March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-G-060-0-2**	480-55212-1	SVOC**, Pesticides**
LT-G-060-4-6	480-55212-2	SVOC, Pesticides
LT-G-060-8-10	480-55212-3	SVOC, Pesticides
LT-G-028-0-2	480-55212-4	SVOC, Pesticides
LT-G-028-4-6	480-55212-5	SVOC, Pesticides
LT-G-028-8-10	480-55212-6	SVOC, Pesticides
LT-G-029-0-2	480-55212-7	SVOC, Pesticides
LT-G-029-2-4	480-55212-8	SVOC, Pesticides
LT-G-029-8-10	480-55212-9	SVOC, Pesticides
DUP029	480-55212-10	SVOC, Pesticides
DUP030	480-55212-11	SVOC, Pesticides
LT-G-030-0-2**	480-55212-12	SVOC, Pesticides**
LT-G-030-4-6	480-55212-13	SVOC, Pesticides
LT-G-030-6-8	480-55212-14	SVOC, Pesticides
LT-G-031-0-2	480-55212-15	SVOC, Pesticides
LT-G-031-4-6	480-55212-16	SVOC, Pesticides
LT-G-031-6-8	480-55212-17	SVOC, Pesticides
LT-G-032-0-2	480-55212-18	SVOC, Pesticides
LT-G-032-4-6	480-55212-19	SVOC, Pesticides
LT-G-032-6-8	480-55212-20	SVOC, Pesticides
LT-G-033-0-2	480-55212-21	SVOC, Pesticides
LT-G-033-2-4	480-55212-22	SVOC, Pesticides
LT-G-033-6-8	480-55212-23	SVOC, Pesticides
LT-G-034-0-2**	480-55212-24	SVOC, Pesticides**
LT-G-034-2-4	480-55212-25	SVOC, Pesticides
LT-G-034-6-8	480-55212-26	SVOC, Pesticides
LT-G-035-0-2	480-55212-27	SVOC, Pesticides
LT-G-035-2-4	480-55212-28	SVOC, Pesticides
LT-G-035-6-8**	480-55212-29	SVOC**, Pesticides
FB029	480-55212-30	VOC, SVOC, Pesticides
LT-G-028-0-2MS	480-55212 - 4MS	SVOC, Pesticides
LT-G-028-0-2MSD	480-55212-4MSD	SVOC, Pesticides
LT-G-032-6-8MS	480-55212 - 20MS	SVOC, Pesticides
LT-G-032-6-8MSD	480-55212 - 20MSD	SVOC, Pesticides

Associated QC Samples(s): Field/Trip Blanks: FB029

Field Duplicate pair: LT-G-060-8-10 and DUP029

DUP030 and LT-G-030-4-6

The above-listed soil and water samples were collected on February 24, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

	Instrument		CC			
Date	ID	Compound	%D	Associated Samples		Validation Action
2/28/14	U3897	Hexachlorobutadiene	24.7	LT-G-035-6-8**	XX	UJ nondetects
		Diethylphthalate	37.0		XX	UJ nondetects
		Hexachlorobenzene	20.5		XX	UJ nondetects
3/4/14	X0088150	Hexachlorocyclopentadiene	30.8	LT-G-060-0-2**	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- Response factor (RRF) < 0.05 or < 0.01 and < 0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

<u>Pesticide</u>

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
2/28/14	5-6053	RTX-CLP I	alpha-BHC gamma-BHC beta-BHC delta-BHC Heptachlor Aldrin	40.0 42.0 37.6 49.8 36.6	LT-G-030-0-2**	XX	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects
1/7/14	25_65064	RTX-CLP2	Heptachlor epoxide Toxaphene	26.6 32.7	LT-G-030-0-2**	XX	UJ nondetects UJ nonddetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject ® nondetect results.
- -= Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB029 for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (Als) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table

summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB029	Methylene chloride	0.74 ug/L	<rl< td=""><td>No associated samples in this SDG</td></rl<>	No associated samples in this SDG

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB029 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB029	Di-n-butylphthalate	0.38 ug/L	<rl< td=""><td>LT-G-060-0-2**</td></rl<>	LT-G-060-0-2**
				LT-G-060-4-6
				LT-G-060-8-10
				LT-G-028-0-2
				LT-G-028-4-6
				LT-G-028-8-10
				LT-G-029-0-2
				LT-G-029-2-4
				LT-G-029-8-10
				DUP029
				DUP030
				LT-G-030-0-2**
				LT-G-030-4-6
				LT-G-030-6-8
				LT-G-031-0-2
				LT-G-031-4-6
				LT-G-031-6-8
				LT-G-032-0-2
				LT-G-032-4-6
	,			LT-G-032-6-8
	,			LT-G-033-0-2
	į ,			LT-G-033-2-4
	į ,			LT-G-033-6-8
				LT-G-034-0-2**
				LT-G-034-2-4
				LT-G-034-6-8
				LT-G-035-0-2
				LT-G-035-2-4
				LT-G-035-6-8

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the

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reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was not detected in the method blanks.

No positive results were found in the field blanks FB029 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for sample LT-G-034-0-2**. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples LT-G-028-0-2 and LT-G-032-6-8 for SVOA analyses. All criteria were met.

Pesticide

MS/MSD analyses were performed on samples LT-G-028-0-2 and LT-G-032-6-8 for pesticides. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Aldrin	-	-	13 (≤12)	LT-G-032-6-8	None
delta-BHC	-	-	16 (≤14)	LT-G-032-6-8	None
Dieldrin	-	_	24 (≤12)	LT-G-032-6-8	None
gamma-Chlordane	-	-	19 (≤15)	LT-G-032-6-8	None
Heptachlor epoxide	-	-	23 (≤15)	LT-G-032-6-8	None

⁻ Within control limits

Validation action was not required aldrin, delta-BHC, Dieldrin, gamma-chlordane, and heptachlor epoxide for due to high MS/MSD RPD as positive results only are affected and this compound was not detected in the associated samples.

LCS Results

VOC, SVOC, and Pesticide

All criteria were met.

Internal Standards

Internal standards were not reviewed for samples reviewed by Category A criteria.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
LT-G-035-6-8**	Perylene-d12	106294 (140150-560598)	Benzo(b)fluoranthene	UJ nondetects
			Benzo(k)fluoranthene	UJ nondetects
			Benzo(a)pyrene	UJ nondetects
			Indeno(1,2,3-cd)pyrene	UJ nondetects
	[Dibenzo(a,h)anthracene	UJ nondetects
	_		Benzo(g,h,i)perylene	UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

Samples LT-G-060-8-10 and DUP029 and samples DUP030 and LT-G-030-4-6 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

There were no detected compounds in the field duplicate pair for SVOC.

Pesticide

	Concentration (ug/Kg)		RPD	Difference	
Compound	LT-G-060-8-10	DUP029	(Limits)	(Limits)	Action
beta-BHC	1.8U	0.53	-	1.27 (≤3.6)	-
delta-BHC	1.8U	0.58	-	1.22 (≤3.6)	-
gamma-BHC	0.46	1.8U	T -	1.34 (≤3.6)	-

⁻⁻no action required

For soil results > 5xQL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

	Concentration	RPD	Difference		
Compound	DUP030	LT-G-030-4-6	(Limits)	(Limits)	Action
4,4'-DDE	1.8U	0.49	-	1.31 (≤3.6)	-

⁻⁼no action required

For soil results > 5xQL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	Pesticide Analysis Reported
LT-G-034-0-2** 10-fold dilution due to nature of sample matrix	

Dilutions were not required for VOC and SVOC analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
LT-G-060-0-2**	Heptachlor	113.06	JN detect
	Endosulfan I	80.86	JN detect
	Dieldrin	81.37	JN detect
	4,4'-DDT	84.86	JN detect
LT-G-060-0-2**	Heptachlor epoxide	66.79	J detects
	gamma-Chlordane	28.95	J detects
	4,4'-DDE	59.06	J detects
	Endrin aldehyde	30.43	J detects
LT-G-030-0-2**	4,4'-DDE	89.28	1.8U ug/Kg

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

____VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-55212-1 Laboratory: Test America, Inc.

LDC #: 31445D1a

Cat A/Cat B-

METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
<u>l.</u>	Technical holding times	A	Sampling dates: 2/24 / 14
II.	GC/MS Instrument performance check		Not reviewed for Cat A review.
III.	Initial calibration	N	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	N	Not reviewed for Cat A review.
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	us /p
IX.	Regional Quality Assurance and Quality Control	N	
Χ.	Internal standards	N.	
XI.	Target compound identification	N	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SM	Not reviewed for Cat A review. MOLLREVITS LRLT LettA
XIII.	Tentitatively identified compounds (TICs)	7	Not reviewed for Cat A review.
XIV.	System performance	rl	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 1

Note: A = Acceptable

A = Acceptable

ND = No compounds detected

D = Duplicate TB = Trip blank

N = Not provided/applicable SW = See worksheet R = Rinsate FB = Field blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	water				
1	FB029	11	MB 480- 167846/7	21	31
2		12	,	22	32
3		13		23	33
4		14		24	34
5		15		25	35
6		16		26	36
7		17		27	37
8		18		28	38
9 10		19		29	39
10		20		30	40

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VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	<u></u> of
Reviewer:_	JVG
2nd Reviewer:_	ď

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)	
YN N/A Were field blanks identified in this SDG?	
Y/N N/A Were target compounds detected in the field blanks?	
∖Blank units: <u>₩ე</u> /└ Associated sample units: <u>\</u>	
Sampling daté: 2/ 24/۱۹	
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:	Associated Samples:

Field blank type: (circle one) Field Blank	/ Rinsate / Trip	Blank / Oth	er:	Asso	ciated Sample	es:	hone	 -
Compound	Blank ID	Action level			S	ample Identifica			
	١	(xx)							
E	0.74	1.48							
	•								
									, , , , , ,
-									

Blank units:	Associated sample units:
Sampling date:	

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:

Associated Samples:

Compound	Blank ID	Sample Identification						
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
							-	
								·

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

	USEPA Reg SW846 Met	tion II Thod 8260B VOA	Date: August 2008 SOP: HW-24, Rev. 2
I.		PACKAGE COMPLETENESS AND DELIVERAB	YES NO N/A
CASE	NUMBER/_	DG#: 31445) / 480-55212-1 LAB: T	Test America Buffalo
SITE	NAME:	Gien Isle	
1.0	Data Comp	leteness and Deliverables	
		all data been submitted in CLP deli at or CLP Forms Equivalent?	verable
	ACTION:	If not, note the effect on review the Data Assessment narrative.	
2.0	Cover Let	ter, SDG Narrative	
		laboratory narrative, and/or cover ed release present?	letter
		case number and SDG number(s) conta he narrative or cover letter?	ined
	ACTION:	If not, note the effect on review the Data Assessment narrative.	of the data in
II.		VOLATILE ANALYSES	
1.0	Traffic R	eports and Laboratory Narrative	
	from	the Traffic Reports, and/or Chain on the field samplers present for all release present?	
	ACTION:	If no, contact the laboratory/samp of missing or illegible copies.	oling team for replacement
	1.2 Is a	sampling trip report present (if r	required)?
	1.3 Samp	ole Conditions/Problems	
		- 6 VOA -	

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded?

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with NaHSO₄, the maximum holding time is 14 days from sample collection. If

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YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION:

Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action			
			Detected Associated Compounds	Non-Detected Associated Compounds		
Aqueous	No	≼7 days	No qualifications			
	No	≻ 7 days	1	R		
	Yes	≾14 days	No qualifications			
	Yes	≻ 14 days	J	R		
Non Aqueous	No	≤ 14 days	J	R		
-	Yes	≤ 14 days	No qualifications			
	Yes/No	≻ 14 days	J	R		

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1		the volatile surrogate recoveries been listed very forms for each of the following matrices		ate
	a.	Water	17	
	b.	Soil	<u> </u>	_
3.2		o, are all the samples listed on the appropri- very forms for each matrix:	ate Surroga	te
	a.	Water	17 _	
	b.	Soil	<u> </u>	/
ACTIO	ON:	If large errors exist, deliverables are unav	ailable or	

information is missing, document the effect(s) in Data

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YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

3.3 Were the surrogate recovery limits followed per Table 2. If Table 2 criteria were not followed, the laboratory may use inhouse performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements.

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

3.4 Were outliers marked correctly with an asterisk?

ACTION: Circle all outliers with a red pencil.

3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2.

If yes, were samples reanalyzed?

└ _ /

Were method blanks reanalyzed?

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

- 1. Flag all positive results as estimated ("J").
- 2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
- 3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

- Positive results are qualified with ("J").
- 2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

ACTION: If large errors exist, take action as specified in section 3.2 above.

- 4.0 <u>Laboratory Control Sample (Form III/Equivalent)</u>
 - 4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

		ion II hod 8260B VOA	Date: Augu SOP: HW-24	
				YES NO N/A
Note	:	LCS consists of an aliquot of a cl similar to the sample matrix and o volume.	ean (contro f the same	ol) matrix weight or
ACTI	ON:	If any <u>Laboratory Control</u> <u>Sample</u> do call the lab for explanation /result note in the data assessment.	ata are mis bmittals.	ssing, Make
4.2	Were frequ	the Laboratory Control Samples ana- mency for each of the following mat	lyzed at th	ne required
	A.	Water		т <u>ү</u> — —
	В.	Soil	s	п
	c.	Med Soil		П — /
Note:	:	The LCS is spiked with the same and concentrations as the matrix spike 9.5). If different make note in domatrix/LCS spiking standards should volatile organic compounds which as compounds being investigating. At spike should include 1,1-dichloroed chlorobenzene, toluene, and benzene	(SW-846 80 ata assessmed be prepare represent a minimum, thene, trice	000C, Section ment. med from mtative of the the matrix
ACTIO	ON:	If any MS/MD, MS/MSD or replicate of missing, take the action specified		ove.
4.3	Have Sect	in house LCS recovery limits been (9.7).	developed (Method 8000C,
4.4		n house limits are not developed, as between 70 - 130% (Method 8000c		
4.5		one or more of the volatile LCS relative laboratory recovery criteria for		

house limits are not present use 70 - 130% recovery limits.

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YES NO N/A

[]

Table 3. LCS Actions for Volatile Analysis

Criteria	Action				
	Detected Spiked Compounds	Non-Detected Spiked Compounds			
%R > Upper Acceptance Limit	J	No Qualifiers			
%R < Lower Acceptance Limit	J	UJ			
Lower Acceptance Limit ≤ %R	No Qual	ifications			

5.0 Matrix Spikes (Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III?

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

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YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a.	Water	□ - 4
b.	Waste	□
c.	Soil/Solid	Ц

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment.

Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

- 5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix.
- 5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4.

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

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YES NO N/A

NOTE:

No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note:

The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to he MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note:

In those instances where it can be determine that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note:

The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION:

Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action				
	Detected Spiked Compounds	Non-Detected Spiked Compounds			
%R > Upper Acceptance Limit	J	No Qualifiers			
%R < Lower Acceptance Limit	J	UJ			
Lower Acceptance Limit ≤ %R	No Qu	ualifications			

Date: August 2008 USEPA Region II SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A 6.0 Blank (CLP Form IV Equivalent) 6.1 Is the Method Blank Summary form present? 6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? 6.3 Has a method blank been analyzed for each GC/MS system used ? ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject ® all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data. 6.4 Chromatography: review the blank raw data chromatograms, quant reports or data system printouts. Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? 7.0 Contamination "Water blanks", "drill blanks" and "distilled water blanks" NOTE: are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive

results for target analytes and/or TICs? When applied as described below, the contaminant concentration in

and corrected for percent moisture where necessary.

these blanks are multiplied by the sample dilution factor

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YES NO N/A

7.2 Do any field/rinse blanks have positive volatile organic compound results?

ACTION:

Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE:

All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION:

Follow the directions in Table 5 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

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Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
		< CRQL	Report CRQL value with a U
	< CRQL*	≥ CRQL	Use professional judgement
		< CRQL	Report CRQL value with a U
Method, Storage, Field,	> CRQL*	<pre></pre>	Report the concentration for the sample with a U, or qualify the data as unusable R
Trip, Instrument**		≥ CRQL and ≥ blank contamination	Use professional judgement
		< CRQL	Report CRQL value with a U
	= CRQL*	≥ CRQL	Use professional judgement
	Gross contam- ination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

NOTE:

If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

^{**} Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

		_	ion II hod 8260B VOA	Date: August 2008 SOP: HW-24, Rev. 2
				YES NO N/A
	7.3		there field/rinse/equipment blan every sample?	ks associated
	ACTIO	ON:	For low level samples, note in that there is no associated fie blank. Exception: samples take water tap do not have associate	ld/rinse/equipment n from a drinking
8.0	GC/MS	Appa	aratus and Materials	
	8.1	column Chec	the lab use the proper gas chrom mn(s) for analysis of volatiles k raw data, instrument logs or c etermine what type of column(s)	by Method 8260B? ontact the lab
	NOTE	:	For the analysis of volatiles, the use of 60 m. x 0.75 mm capi coated with VOCOL(Supelco) or e (see SW-846, page 8260B-7, sect	llary column, equivalent column.
	ACTIO	ON:	If the specified column, or equidocument the effects in the Dat professional judgement to deterdata.	a Assessment. Use
9.0	GC/M	S Ins	trument Performance Check (CLP F	Corm V Equivalent)
	9.1	pres form	the GC/MS Instrument Performance ent for Bromofluorobenzene (BFB) s list the associated samples wiyzed?	, and do these
	9.2	mass	the enhanced bar graph spectrum /charge (m/z) listing for the BE ided for each twelve hour shift?	FB /
	9.3	Has	an instrument performance check	solution (BFB)
			- 18 VOA -	

Date: August 2008 USEPA Region II SOP: HW-24, Rev. 2 SW846 Method 8260B VOA YES NO N/A been analyzed for every twelve hours of sample analysis per instrument? (see Table 4, SW-846, <u>[_]</u> page 8260B-36) List date, time, instrument ID, and sample ACTION: analyses for which no associated GC/MS GC/MS tuning data are available. If the laboratory/project officer cannot provide missing ACTION: data, reject ("R") all data generated outside an acceptable twelve hour calibration interval. If mass assignment is in error, flag all associated sample ACTION: data as unusable, "R". 9.4 Have the ion abundances been normalized to m/z 95? Have the ion abundance criteria been met for 9.5 each instrument used? List all data which do not meet ion abundance ACTION: criteria (attach a separate sheet). If ion abundance criteria are not met, take action as ACTION: specified in section 3.2. 9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.) 9.7 Have the appropriate number of significant figures (two) been reported?

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

			ion II hod 8260B VOA	Date: Aug SOP: HW-2		
					YES NO	N/A
0	Targe	et An	alytes (CLP Form I Equivalent)			
	10.1	pres	the Organic Analysis reporting forms ent with required header information, for each of the following:			
		a.	Samples and/or fractions as appropr	riate	1 <u>7</u> —	
		b.	Matrix spikes and matrix spike dupl	licates	<u> </u>	
		c.	Blanks		7 一	- —
		d.	Laboratory Control Samples		<u> </u>	-
	10.2	iden Repo	the reconstructed Ion Chromatograms, tified compounds, and the data systerts) included in the sample package owing?	em printou	ts (Quant	
		a.	Samples and/or fractions as approp	riate	П	
		b.	Matrix spikes and matrix spike dup. (Mass spectra not required)	licates	<u> </u>	
		C.	Blanks		Ш	
		d.	Laboratory Control Samples		<u> </u>	/
	ACTIO	ON:	If any data are missing, take action specified in 3.2 above.	on		

10.3 Is chromatographic performance acceptable with
 respect to:

Baseline stability?

10.

USEPA Reg SW846 Met	ion II hod 8260B VOA	Date: August 2008 SOP: HW-24, Rev. 2
		YES NO N/A
Reso	lution?	п — /
Peak	shape?	<u>п</u> — —
Full	-scale graph (attenuation)?	<u> </u>
Othe	r:	
ACTION:	Use professional judgement to dete	ermine the acceptability of
	the lab-generated standard mass spetile compounds present for each same	
ACTION:	If any mass spectra are missing, to 3.2 above. If the lab does not ger spectra, make a note in the Data A missing, contact the lab for missing.	nerate their own standard Assessment. If spectra are
	he RRT of each reported compound windard RRT in the continuing calibrat	
rela	all ions present in the standard matrixe intensity greater than 10% (of present in the sample mass spectro	f the most abundant ion) \nearrow
in t	he relative intensities of the charche sample agree within ± 30% of the tive intensities in the reference s	e corresponding
ACTION:	Use professional judgement to deteraceptability of data. If it is defined incorrect identifications were made should be rejected ("R"), flagged Presumptive evidence of the present compound) or changed to non detect calculated detection limit. In order	etermined that de, all such data ("N") - nce of the ted ("U") at the

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

 Γ

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

- 11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)
 - 11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier?

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

- 11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:
 - a. Samples and/or fractions as appropriate [] ______
 - b. Blanks

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

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YES NO N/A

11.3	Are an	ny p	riority	poll	lutants	listed	as	TIC	compounds	(i.e.,	an	BNA
	compo	und	listed a	as a	VOA TI	(C) ?			Т.	1	_	_/

- ACTION: 1. Flag with "R" any target compound listed as a TIC.
 - 2. Make sure all rejected compounds are properly reported if they are target compounds.
- 11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?
- 11.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂(M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found?

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

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YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

Date: August 2008 SOP: HW-24, Rev. 2

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction?

ACTION: If any calibration forms or standard raw data are missing,

take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%,

(8000C-39) qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050?

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration.

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be < 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

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YES NO N/A

1,1-Dichloroethene

Chloroform

1,2-Dichloropropane

Toluene

Ethylbenzene Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and

all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when

qualifying for calibration criteria.

14.4 Was the % RSD determined using (RRF) or CF?

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in

section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

Date: August 2008 USEPA Region II SW846 Method 8260B VOA SOP: HW-24, Rev. 2 YES NO N/A 15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? List below all sample analyses that were not within twelve ACTION: hours of a calibration verification analysis for each instrument used. ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R"). 15.3 Was the % D determined from the calibration verification determined using (RRF or CF? וו If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment. 15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). NOTE: (Method Requirement) For the following CCC compounds, the %D values must be ≤ 20.0%. If %D values reported are > 20.0% document in the Data Assessment. 1.1-Dichloroethene Chloroform 1,2-Dichloropropane Toluene Ethylbenzene

Vinyl chloride

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YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the

outlier compound(s) as estimated, "J". When %D is above 90%,

qualify all positive results for that analyte "J" and all

non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? [] ____/

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds is section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of

method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)?

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YES NO N/A

ACTION: If errors are large or information is missing, take action

as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

(Attach additional sheets if necessary.)

- ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 - Do not qualify non-detects when the associated IS are counts area > + 100%.
 - 3. If the IS area is below the lower limit (< 50%), qualify all associated non-detects (U-values) "J".
 - 4. If extremely low area counts are reported (< -25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".
- 16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

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YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for volatile analysis?

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ACTION: Compare the reported results for field duplicates and

calculate the relative percent difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the Data Assessment. However, if large differences exist, take action

specified in section 3.2 above.

VALIDATION COMPLETENESS WORKSHEET

LDC #: 31445D2a SDG #: 480-55212-1

Cat A/Cat B

Laboratory: Test America, Inc.

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 82700)

Page: \ of Reviewer: 2nd Reviewer:

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
l.	Technical holding times	A	Sampling dates: 2/24//4
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. 2. KSD & 202 12
IV.	Continuing calibration/ICV	SW)	Not reviewed for Cat A review. CW £ 20? [W £30]
V.	Blanks	Ā	
VI.	Surrogate spikes	À	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS b
IX.	Regional Quality Assurance and Quality Control	N	
Χ.	Internal standards	SW)	
XI.	Target compound identification	Á	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	S₩̈́	Not reviewed for Cat A review. MDL & RESULTS & RL = JActs
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	Ā	
XVI.	Field duplicates	ND	り, = 3,10 及= 11,13
XVII.	Field blanks	SW	FB = 30

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected R = Rinsate

FB = Field blank

D = Duplicate TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

le	rel N Soil	_+	Water (1)					
1	LT-G-060-0-2 **	11	DUP030	21	LT-G-033-0-2	;	31	LT-G-028-0-2MS
2	LT-G-060-4-6	12	LT-G-030-0-2	22	LT-G-033-2-4	;	32	LT-G-028-0-2MSD
3	LT-G-060-8-10	13	LT-G-030-4-6	23	LT-G-033-6-8	;	33	LT-G-032-6-8MS
4	LT-G-028-0-2	14	LT-G-030-6-8	24	LT-G-034-0-2		34	LT-G-032-6-8MSD
5	LT-G-028-4-6	15	LT-G-031-0-2	25	LT-G-034-2-4	;	35 \	MB 480-167919 /1-
6	LT-G-028-8-10	16	LT-G-031-4-6	26	LT-G-034-6-8		36)	- 167925/L
7	LT-G-029-0-2	17	LT-G-031-6-8	27	LT-G-035-0-2	;	37 2	167847/1-
8	LT-G-029-2-4	18	LT-G-032-0-2	28	LT-G-035-2-4		38	,
9	LT-G-029-8-10	19	LT-G-032-4-6	29 \	LT-G-035-6-8		39	
10	DUP029	20	LT-G-032-6-8	30	FB029	\mathbf{w}	40	

(No dilutions)
(83/34 MS/MSD RPD recorded using 2 Rinstend of come. as spike amounts not the same or close enough,

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	0000.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 3/44 5 D29

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration</u>

Page:_	<u> </u>
Reviewer:	JVG
2nd Reviewer:	CI

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument? Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#		Standard ID	Compound	Finding %D (Limit: <u><</u> 20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/28/14	43897	и	24.7		29 MB 480-167919	(1-A (ND) J/UJ/A
	/	7	LL	37.0		7	
			22	26.5			
	3/04/14	X 00 88120	Χ	30. g		1, Mb 480-167925/1-	A (ND) JUJA
<u></u>	'					/ /	/
 							
 							
<u> </u>							
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\vdash							
—							

LDC#: 31445 DZa

VALIDATION FINDINGS WORKSHEET Field Blanks

Page:_	<u>\</u> of_
Reviewer:_	JVG
2nd Reviewer:	02

NETHOD: GC/MS BNA (EPA SW 846 Method 8270D) Y N N/A Were field blanks identified in this SDG? Y/N N/A Were target compounds detected in the field blanks? Slank units:/L Associated sample units:/ky Sampling date:2/24 / 14											
Y N N/A We	re field bl	anks identifie	ed in this SDG	?							
<u>, Y/ N N/A</u> We	re target	compounds of	detected in the	field blanks?							
Blank units: 🔟	/L Asso	ciated samp	le units: <u></u>	ug/kgy							
Sampling date:	2/24	_/14					A	2 اا	(IA)		
Field blank type: (c	ircle one) Field Blank	/ Rinsate / Otr	ner:	Associate	ed Samples:_	1)		(MD)		
Compound		Blank ID				Sa	mple Identificat	ion			
		30_	Action level								
\	X X	0,38	2 RL								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
											
		<u> </u>									
Blank units:	Asso	ciated samp	ole units:								
Sampling date: Field blank type: (c	circle one) Field Blank	/ Rinsate / Oth	ner:	Associate	ed Samples:_					
Compound		Blank ID				Sa	mple Identificat	ion			
							·				
					· · · · · · · · · · · · · · · · · · ·			-			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #:	3	445	D24
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VALIDATION FINDINGS WORKSHEET Internal Standards

Page:	<u></u> of]
Reviewer:	_JVG
2nd Reviewer	:Cz_

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Date	Sample ID	Internal Standard	Area (Limits) 106 294 (140 150 - 560		Qualifications
		29 (M)	PRY	156294 (140150 - 560	598)	J/4J/P
		\ //				(gual 666 - LLL)
						The same of the sa
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			<u></u>	<u> </u>	<u>L</u>	

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

LDC #: 31445D2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: JVG
2nd Reviewer: ______

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

		Calibration			Reported RRF	Recalculated RRF	Reported Average RRF	Recalculated Average RRF	Reported %RSD	Recalculated %RSD
#	Standard ID	Date	Compound (IS)	(RRF50 std)	(RRF50 std)	(Initial)	(Initial)		<u> </u>
1	ICAL	2/5/2014	Phenol	(IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
	HP5973X		Nitrobenzene	(IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP	(IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene	(IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
			Bis(2-ethex)phthalate	(IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene	(IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: 31445D2a

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

 $RRF = (A_x)(C_{is})/(A_{is})(C_x)$

 A_x = Area of Compound

A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards

 C_x = Concentration of compound,

C_{is} = Concentration of internal standard

%RSD = 100 * (S/X)

S= Standard deviation of the RRFs,

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	2/14/2014	Phenol	(IS1)	1.8346	1.8346	1.7952	1.7952	9.8	9.8
	HP5973U		Nitrobenzene	(IS2)	0.3508	0.3508	0.3321	0.3321	11.0	11.2
			2,4,5-TCP	(IS3)	0.3817	0.3817	0.3760	0.3760	6.1	6.1
			4,6-Dinitro-2-mp	(IS4)	0.1427	0.1427	0.1282	0.1282	12.0	12.2
			Bis(2-ethex)phthalate	(IS5)	0.9056	0.9056	0.8390	0.8390	9.0	9.0
			Benzo(a)pyrene	(IS6)	1.1156	1.1156	1.0627	1.0627	9.3	9.3

LDC # 31445D2a

VALIDATION FINDINGS WORSHEET <u>Continuing Calibration Results Verification</u>

Page _	1	_of_	1_
Reviewer:		JVG	}
2nd Reviewer:_		($\subseteq_{\mathcal{I}}$

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

Where:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

RRF = (Ax)(Cis)/(Ais)(Cx)

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)		Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
1	U3897	02/28/14	Phenol	(IS1)	1.7952	1.8508	1.8508	3.1	3.1
			Nitrobenzene	(IS2)	0.3321	0.3505	0.3505	5.5	5.5
			2,4,5-TCP	(IS3)	0.3760	0.4375	0.4375	16.4	16.4
			4.6-Dinitro-2mp	(IS4)	0.1282	0.1538	0.1538	20.0	20.0
			Bis(2-ethex)phthalate	(IS5)	0.8390	0.9632	0.9632	14.8	14.8
			Benzo(a)pyrene	(IS6)	1.0627	1.1367	1.1367	7.0	7.0
2	X0088150	03/04/14	Phenol	(IS1)	1.8320	1.6989	1.6989	7.3	7.3
			Nitrobenzene	(IS2)	0.3576	0.3630	0.3630	1.5	1.5
			2,4,5-TCP	(IS3)	0.3765	0.3512	0.3512	6.7	6.7
			Hexachlorobenzene	(IS4)	0.2332	0.2411	0.2411	3.4	3.4
			Bis(2-ethex)phthalate	(IS5)	0.8967	0.9362	0.9362	4.4	4.4
			Benzo(a)pyrene	(IS6)	1.0592	1.0236	1.0236	3.4	3.4

LDC#: 31445 DZZ

VALIDATION FINDINGS WORKSHEET Surrogate Results Verification

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer	CA
	$\overline{}$

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where:

SF = Surrogate Found SS = Surrogate Spiked

Sample ID:

,

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50,0	48.6	97	57	0
2-Fluorobiphenyl		49.6	99	99)
Terphenyl-d14		63.1	126	126	
Phenoi-d5		43.1	86	86	
2-Fluorophenol		39.6	79	79	
2,4,6-Tribromophenol	1	50,6	10)	101	
2-Chlorophenol-d4					1

Sample ID:

1,2-Dichlorobenzene-d4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenoi-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer: 🧠

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration

SC = Sample concentation

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration

SA = Spike added

MSDC = Matrix spike duplicate concentration

MS/MSD samples: _

Compound	Ad	pike Ided	Sample Concentration (仏 /ᠺᠺ)	Spiked Sample Concentration (US /Fc)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ms_	MSD		MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recaic
Phenol	35.40	2660	Ģ	2800	2090	79	79	79	79	29	0
N-Nitroso-di-n-propylamine				3380	2560	95	95	96	96	27	1
4-Chloro-3-methylphenol				3656	2730	163	103	103	103	29	D
Acenaphthene				27426	2570	97	97	95	95	31	7
Pentachlorophenol	7090	5320		7410	5440	104	104	102	102	31	>
Pyrene	3590	2660	J	4500	3060	127	127	115	115	78	10

Comments: Refer to Matrix Spike/Ma	atrix Spike Dupl	icates findings	workshe	et for list o	f qual <u>if</u>	ications a	and associated	l samples who	en reported	d results do not a	agree within
10.0% of the recalculated results.											
	Spike	amounts	not	used	m	RPD	recalc.	heed	2 R	instead	
		ke amour	ts not	- clore	<u> </u>	 		/			
	121		,								

LDC#: 31345 D2a

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration

SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

LCS/LCSD samples: 105 480 - 167919 /2-A

		ike ded	Spike Concentration		10	es	10	SD	L CS/L CSD		
Compound	(49	(ta)	II	New)	Percent I	Percent Recovery		Percent Recovery		RPD	
	LCS) LCSD	LCS	<i>U</i> LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated	
Phenol	2300	\A	26/6	ſА	79	79					
N-Nitroso-di-n-propylamine		(3100		94	94					
4-Chloro-3-methylphenol			3100		94	94					
Acenaphthene			25 96		79	79					
Pentachlorophenol	4400		6190		94	94					
Pyrene	3310	<i>Y</i>	23190	7	797	KY					
	,					,					
		 									

Comments:	Refer to Laboratory	<u> Control Sample/Laborato</u>	ry Control Sample	<u>e Duplicates findings</u>	<u>s worksheet for list o</u>	<u>f qualifications and</u>	associated samp	<u>les when</u>
reported res	ults do not agree with	hin 10.0% of the recalcula	ed results.					

LDC#: 31445 DZ~

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	_1_of_1_
Reviewer:	JVG
2nd reviewer:	C_{Λ}

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

/	$\underline{\Upsilon}$	N	N/A
/	7/	N	N/A
Ĺ		$\overline{}$	

Were all reported results recalculated and verified for all level IV samples?
Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $(A_{i,j})(I_{i,j})(V_{i,j})(DF)(2.0)$ $(A_{i,j})(RRF)(V_{i,j})(V_{i,j})(%S)$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_I = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (uI)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 29 , EEE

= 91. 2 mg/kg

#	Sample ID	Compound	Reported Concentration (씨/ར님ངུ)	Calculated Concentration ()	Qualification
			91		
			'		
<u> </u>					

USEPA Region II SW846 Method 8270D (Rev.4, January 1998) Date: August, 200 SOP HW-22 Rev.4								
			YES NO N/A					
Е	-	The concentration of this analyte exceeds the of the instrument.	e calibration range					
A	-	Indicates a Tentatively Identified Compound adol-condensation product.	(TIC) is a suspected					
X,Y,	X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.							
I.		PACKAGE COMPLETENESS AND DELIVERABLE						
CASE	NUMBI	ER/ SOG#: 31445b /480-55212-1 LAB: Test	Ameria Buffalo					
SITE	NAME	ER/SOG#: 31445b/480-552 2- LAB: Test Glen Island						
1.0	<u>Data</u>	Completeness and Deliverables						
	1.1	Has all data been submitted in CLP deliverab format?	le					
	ACTIO	ON: If not, note the effect on review of th in the data assessment narrative.	e data					
2.0	Cove	r Letter, SDG Narrative						
	2.1	Is a laboratory narrative or cover letter present?	TX					
	2.2	Are case number and SDG number(s) contained in the narrative or cover letter?						

	_	ion II hod 82			: Aug HW-22	•	
					YES	NO	N/A
II.			SEMIVOLATILE ANALYSES				
1.0	<u>Traf</u> :	fic Re	eports and Laboratory Narrative				
	1.1 samp		the Traffic Report Forms present for all		乀		
	ACTI	ON:	If no, contact lab for replacement of misor illegible copies.	ssir	ng		
	1.2	any p	ne Traffic Reports or Lab Narrative indicators of the problems with sample receipt, condition of the data?	f	5 ——	īŲ	
	ACTION:		If any sample analyzed as a soil, other to TCLP, contains 50%-90% water, all data so the flagged as estimated ("J"). If a soil sample, other than TCLP, contains more to 90% water, all non-detects data are qualtas unusable (R), and detects are flagged	houl han ifie	ld ∋d		
			If samples were not iced, or if the ice melted upon arrival at the laboratory and cooler temperature was elevated (10°C), fall positive results "J" and all non-deta"UJ".	d th	ſ		
2.0	<u>Hold</u>	ing T:	<u>imes</u>				
	2.1	dete	any semivolatile technical holding times rmined from date of collection to date of action, been exceeded?			. 17	/
		semi days sampi	inuous extraction of water samples for volatile analysis must be started within of the date of collection. Soil/sedimen les must be extracted within 14 days of ection. Extracts must be analyzed within	t			

USEPA	Region	ΙΙ			
SW846	Method	8270D	(Rev.4,	January	1998)

(See Traffic Report)

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

			(5	ee marric keb	ort)
Sample	Sample	Date	Date Lab	Date	Date
ID	Matrix	Sampled	Received	Extracted	Analyzed
		-			
					
			· ·		
				·	

ACTION:

If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

	A Reg. 6 Meti		e: Aug HW-22				
		/			YES	NO	N/A
3.0		Surr	ogate Recovery (Form II/Equivalent)				
	3.1	list	the semi volatile surrogate recoveries hed on CLP Surrogate Recovery forms (Formeach of the following matrices:				
		a.	Low Water				
		b.	Low/Med Soil		1		
	3.2	appro	o, are <u>all the samples listed</u> on the opriate Surrogate Recovery Summary forms each matrix:				
		a.	Low Water		14		
		b.	Low/Med Soil		Τ <u>Υ</u> Γ <u>Ω</u>		
	ACTION:		If CLP deliverables are unavailable, docton the effect(s) in data assessments. In scases the lab may have to be contacted to obtain the data necessary to complete the validation.	cumen some co			
	3.3	Were	outliers marked correctly with an aster:	isk?			_
		ACTI	ON: Circle all outliers in red.				
reco meth reco from . page		recor methor recor from page	two or more base neutral <u>OR</u> acid surrogateries out of specification for any sampled blank (Reviewer should use lab in housery limits. Use surrogate recovery limits USEPA National Functional Guidlines January, if in house limits are not availabled the Method 8000B-43 or 80000C-24).	le o se ts uary			<i></i>
		Note	: Examine lab in house limits for real	ason	ablene	ss.	/
		If y	es, were samples re-analyzed?				_

EPA Region 846 Method		(Rev.4, January 1998)	Date: August, 200 SOP HW-22 Rev.4
			YES NO N/
Wer	e meth	nod blanks re-analyzed?	П — →
ACTION:	with not <u>aff</u> e	all surrogate recoveries are > 10% nin the base-neutral or acid fract meet method specifications, for the ected fraction only (i.e. either e-neutral or acid compounds):	ion do
	1.	<pre>Flag all positive results as est: ("J").</pre>	imated
	2.	Flag all non-detects as estimated ("UJ") when recoveries are less acceptance limit.	
	3.	If recoveries are greater than the acceptance limit, do not qualify	
		any base-neutral <u>or</u> acid surrogate overy of < 10%:	has a
	1.	Positive results for the fraction surrogate recovery are qualified	
	2.	Non-detects for that fraction should qualified as unusable (R) .	ould be
NOTE:	qual reco orio	Tessional judgement should be used lify data that have method blank soveries out of specification in boginal and reanalyses. Check the indard areas.	urrogate th

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

	PA Reg 16 Met		I 270D (Rev.4, January 1998)		ate: August, 2008 DP HW-22 Rev.4
					YES NO N/A
			effect in data assessments.		
4.0	<u>Matr</u>	ix Sp	ikes (Form III/Equivalent)		
	4.1	Matr Samp	the semivolatile Matrix Spike ix Spike Duplicate/or duplicate le recoveries been listed on tovery Form (Form III)?	ce unspiked	1 <u>/</u>
	NOTE	:	Method 3500B/page 4 states the	ne spiking cor	mpounds:
			Base/neutrals 1,2,4-Trichlorobenzene Acenaphthene 2,4-Dinitrotoluene Pyrene N-Nitroso-di-n-propylamine 1,4-Dichlorobenzene	Acids Pentachlorophenol 2-Chlorophenol 4-Chloro-3-m4-Nitropheno	nol methylphenol
	Note	:	Some projects may require the of interest.	e spiking of :	specific compounds
	Note:		See Method 8270D-sec 8.4.2 for to prepare and analyze duplicate spike/matrix spike duplicate to contain target analytes, matrix spike and a duplicate field sample. If samples are target analytes, laboratory and matrix spike duplicate p	cate samples of samples then laborato analysis of a not expected should use a sample should use a sample sample.	or a martix are expected ry may use one an unspiked d to contain
	4.2		matrix spikes analyzed at thuency for each of the followi	-	/
		a.	Low Water		n
		b.	Low Solid		<u> </u>
		c.	Med Solid		□

YES NO N/A

ACTION:

If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE:

If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

1	
1/1	

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

<u>water</u>	SOLIGS					
out of	 9	out	of	26		

	-	nion I hod 8	I 270D (Rev.4,	January 1998	8)		Date: Aug SOP HW-22		
							YES	NO	N/A
	4.5		many RPD's for icate recover:			~	ike		
		Wate:				<u>Solids</u>			
			NA out of		33/24	&_ out of	3		
	ACTI	ON:	Circle all o	utliers with	n red p	pencil.			
	ACTIO	ON:	No action is However, using judgement, the matrix spike results in control to determine of the data.	ng informed he data revi and matrix onjunction w	profes lewer m spike vith ot	ssional may use the duplicate ther QC crit			
	4.6		a Laboratory (ytical batch?	Control Samp	ole (LO	CS) analyzed	d with each	ch	
	NOTE:		When the result indicate a post matrix itself verify that the analysis in a	otential prof f, the LCS t the laborate	oblem oresults	due to the s are used t	sample co		
5.0	Blan	ks (Fo	orm IV/Equiva	lent)				/	
	5.1	Is th	he Method Bla	nk Summary	(Form]	(V) present	: [
	5.2	Frequ	uency of Analy	ysis:					
		repo	a reagent/met rted per 20 sa entration leve h?	amples of s	imilar	matrix, or	ГХ		
	5.3	Has a	a method blan	k been anal	yzed e	ither after			

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YES NO N/A

the calibration standard or at any other time during the analytical shift for each GC/MS system used ?

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are <u>not</u> used to qualify the data.

Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

__ 14 __

6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?

Date: August, 2008

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YES NO N/A

ACTION: Prepare a list of the samples associated

with each of the contaminated blanks.

(Attach a separate sheet.)

NOTE: All field blank results associated to a

particular group of samples (may exceed one

per case) must be used to qualify data. Blanks may not be qualified because of

contamination in another blank. Field Blanks must be qualified for outlying surrogates,

poor spectra, instrument performance or

calibration QC problems.

ACTION: Follow the directions in the table below to

qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all

data in the associated samples should be

qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
Method, Field		≥ CRQL	No qualification required
		< CRQL	Report CRQL value with a U
	> CRQL *	<pre></pre>	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample?

td ____

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	_	ion II nod 8270D (Rev.4, January 1998)		: Augu HW-22		
				YES	NO	N/A
:		that exceeded the initial calibration range.				
· .	6.5	Does the instrument blank have positive result for target analytes and/or TICs?	lts	-		4
	Note	Use professional judgement to determine if carryover occurred and qualify analytaccordingly.	ces			
7.0	GC/MS	S Apparatus and Materials				
	7.1	Did the lab use the proper gas chromatographs column for analysis of semivolatiles by Metho 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was The method requires the use of 30 m \times 0.25 mm (or 0.32 mm ID), silicone-coated, fused silicone-lapillary column.	od ontac usec m ID			
	ACTIO	ON: If the specified column, or equivalent, not used, document the effects in the dassessment. Use professional judgement determine the acceptability of the data	ata to			
8.0	GC/MS	S Instrument Performance Check (Form V/Equiva	lent)	L		
	8.1	Are the GC/MS Instrument Performance Check Form V) present for decafluorotriphenylphosy (DFTPP)?		• •		
		The performance solution should also contains achlorophenol, and benzidine to verify injection port inertness and column performation to DDE and DDD must less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (baupon lab experience) and show no peak degrador tailing before samples are analyzed. (see	nce. be sed ation	٦	.5	

	_	ion II nod 82		, January 1998	3)		: Augu		
•	_						YES	NO	N/A
		page	8270D-12).						
	8.2	mass/	charge (m/	ed bar graph sp z) listing for ch twelve hour	r the DFTPP				
	8.3	been		or every twelv	e check solution ve hours of samp	le	<u>LX</u>		
	ACTIO	ON:	analyses f		ment ID, and sam ssociated GC/MS le.	ple			
	DATE		TIME	INSTRUMENT	SAMPLE NUMB	ERS			
	ACTIO	ON:	("R") all		issing data, rej d outside an acc interval.		le		
	ACTIO			-	error, flag all unusable (R).				
	8.4	Have m/z 1		oundances been	normalized to		14	*********	
	8.5		the ion at		ria been m et for		1		
	ACTIO	ON:		data which do (attach a sepa	not meet ion abu	ndanc	:e		

	_	ion II nod 82	I 270D (Rev.4, January 1998)		: Augu HW-22		
					YES	NO	N/A
	ACTIO	ON:	If ion abundance criteria are not met, action specified in section 3.2	take			
	8.6	betwe	there any transcription/calculation erroreen mass lists and Form Vs? (Check at leavalues but if errors are found, check mo	ast		LX	
	8.7		the appropriate number of significant res (two) been reported?		1/		
	ACTIO	: MC	If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.				
	8.8		the spectra of the mass calibration compotable?	ound			
	ACTIO	ON:	Use professional judgement to determine whether associated data should be acceptualified, or rejected.				
9.0	Targe	et Ana	<u>alytes</u>				
	9.1	prese	the Organic Analysis Data Sheets (Form I ent with required header information on , for each of the following:				
		a.	Samples and/or fractions as appropriate		17		
		b.	Matrix spikes and matrix spike duplicat	es	1/		
		c.	Blanks		LX		
	9.2	perf	any special cleanup, such as GPC, been ormed on all soil/sediment sample extrac section 7.2, page 8270D-14)?	ts			

USEPA SW846	_		I 270D (Rev.4, January 1998)	Date: Augu SOP HW-22	
				YES	NO N/A
	ACTIO	ON:	If data suggests that extract cleanup was performed, use professional judgement. note in the data assessment narrative.	as not Make	
	9.3	spect	the Reconstructed Ion Chromatograms, mass tra for the identified compounds, and the em printouts (Quant Reports) included in le package for each of the following?	e data	
		a.	Samples and/or fractions as appropriate	1	
		b.	Matrix spikes and matrix spike duplicate (Mass spectra not required)	es L	
		c.	Blanks	17	
	ACTIO	: NC	If any data are missing, take action specified in 3.2 above.		
	9.4	Are f	the response factors shown in the Quant rt?		
	9.5		hromatographic performance acceptable wit	:h	
		Base	line stability?	17	
		Reso.	lution?	\square	
		Peak	shape?	1,2	
		Full-	-scale graph (attenuation)?	1	
		Other	r;		
	ACTIO	on:	Use professional judgement to determine	the	

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

USEPA Re SW846 Me	_	[270D (Rev.4, January 1998)		: Augu HW-22		
				YES	NO	N/A
	each	sample?		1/1		
ACT	'ION:	If any mass spectra are missing, take specified in 3.2 above. If the lab does generate their own standard spectra, note in the data assessment narrative spectra are missing, reject all positionata.	es not make a . If			
9.7	RRT	ne RRT of each reported compound within units of the standard RRT in the continoration?		14		
9.8	at a most	all ions present in the standard mass relative intensity greater than 10% (abundant ion) also present in the same rum?	of the			
9.9	ions corr	ne relative intensities of the character in the sample agree within ± 30% of the esponding relative intensities in the sence spectrum?		1		
ACT	ION:	Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were musuch data should be rejected (R), flag (Presumptive evidence of the presence compound) or changed to not detected the calculated detection limit. In order to positively identified, the data musucomply with the criteria listed in 9.7 and 9.9.	mined ade, al gged "N of the (U) at der to st			
ACT	ION:	When sample carry-over is a possibili- professional judgement should be used determine if instrument cross-contaminal has affected any positive compound identification.	to			

USEPA Region II SW846 Method 8270D (Rev.4, Januar	ry 1998)		ate: August, OP HW-22 Rev		=	
			YES	NO	N/A	
10.0 Tentatively Identified Compo	ounds (TIC)					
10.1 If Tentatively Identify for this project, are a and do listed TICs included time, estimated concent	all Form Is, Part lude scan number o	B present or retenti	; on			
NOTE: Review sampling relab was required to refer to section	to identify non to	arget anal	ytes			
10.2 Are the mass spectra for identified compounds as spectra included in the of the following:	nd associated "be	st match"	Ш		_/	
a. Samples and/or fra	actions as approp	riate	<u> </u>		_	
b. Blanks						
ACTION: If any TIC data as specified in 3.2 a	<u>-</u> :	action				
ACTION: Add "JN" qualified identified by CAS	_	s				
10.3 Are any target compound as TIC compounds in and compound listed as a ba	other (e.g., an a	cid	l —	<u></u>		
ACTION: i. Flag with "R' as a TIC.	" any target comp	ound liste	ed			
	l rejected compou orted in the othe		١.			
10.4 Are all ions present in spectrum with a relative 10% (of the most abunda	ve intensity grea	ter than	ıe.			

USEPA Region II SW846 Method 8270D (Rev.4, Jan	nuary 1998)	Date: SOP H	_		
			YES	NO	N/A
sample mass spectrum	n?				_
10.5 Do TIC and "best mat intensities agree wi	cch" standard relative ion ithin ± 20%?	n			_
acceptability of is determined to identification identification specific identication substituted bernemove "JN". If found in any bartifact of a content of a content in a con	al judgement to determine of TIC identifications. In that an incorrect was made, change the to "unknown" or to some ification (example: "C3 nzene") as appropriate and Also, when a compound is lank, but is a suspected common laboratory contaminal design to the substitute of the subs	f it less d not			
11.0 Compound Quantitation ar	nd Reported Detection Lim	<u>its</u>			
Form I results? Chec Verify that the cor	cription/calculation errock at least two positive rect internal standard, and RRF were used to calcuany errors found?	values	· .	14	
but insufficient valley between reported as ison should check the such isomers we quantitation	mers with similar mass sp nt GC resolution (i.e. pe the two peaks > 25%) sho omeric pairs. The review he raw data to ensure tha ere included in the (i.e., add the areas of t s to calculate the total	rcent uld be er t all	è		
11.2 Are the method detect reflect sample dilute moisture?	ction limits adjusted to tions and, for soils, sam	ple	11		

YES NO N/A

ACTION: If errors are large, call lab for

explanation/resubmittal, make any necessary corrections and document effect in data

assessments.

ACTION: When a sample is analyzed at more than one

dilution, the lowest detection limits are used (unless a QC exceedance dictates the use

of the higher detection limit from the

diluted sample data). Replace concentrations

that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's

that should not be used, including any in the

summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration?

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

14___

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050?

叹 __ _

YES NO N/A

Check the average RRFs of the four System
Performance Check Compounds (SPCCs):
N-nitroso-di-n-propylamine, hexachlorocyclopentadiene,
2,4-dinitrophenol, and 4-nitrophenol. These
compounds must have average RRFs greater than or
equal to 0.05 before running samples and should not
show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with average RRF < 0.05

- 1. "R" all non-detects;
- 2. "J" all positive results.
- 13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

 $\sqrt{1}$

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Agananhthana	4 (1)
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive

hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is ≥ 20.0%, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

- 13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?
- 13.5 Are there any transcription/calculation errors
 in the reporting of average response factors
 (RRF) or % RSD? (Check at least two values but
 if errors are found, check more.)

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

□ ∠ _

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		YES NO N/A
_	cide compounds include DDT, was akdown of DDT to DDD and DDE gre	
ACTION: If DDT	percent breakdown exceeds 20%:	•
wi DI qu	nalify all positive results for the "J". If DDT was not detected DD and DDE results are positive, nalify the quantitation limit for unusable, "R".	ed, but
DI	nalify all positive results for DE as presumptively present at a proximate concentration "JN".	
14.0 GC/MS Calibration	on Verification (Form VII/Equiva	alent)
	ibration Verification Forms (For complete for all compounds of	cm VII)
	ration verification standard been every twelve hours of sample apple a	
within	elow all sample analyses that we twelve hours of a calibration cation analysis for each instrum	
		
verific	forms are missing or no calibra cation standard has been analyze twelve hours of every sample an	ed

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YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF < 0.05?

.b

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05? _____ [/]

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).

USEPA Region SW846 Method		.4, January	1998)		_	ust, 2008 Rev.4
					YES	NO N/A
ACTION:	Circle e	rrors in red				
ACTION:	explanat correcti	ion/resubmit	call lab for tal, make any nec ment effect(s) in	_		
15.0 <u>Interna</u>	l Standard	s (Form VIII)_			
eve lim	ry sample	and blank wi	areas (Form VIII thin the upper an or each continuin	d lower	<u>.</u>	<u> </u>
ACTION:	List eac	h outlying i	nternal standard	below.		
Sample ID	IS #	Area	LowerLimit		Uppe	r Limit
29	PRY	106294	140150		56	0598
	·					
						
	(Attac	ch additional	sheets if neces	sary.)		
Note:	Check Ta	ble 5, 8270D	-41 for associate	d analy	ytes.	
ACTION:	out wit non	side the upp h "J" all po	standard area co er or lower limit sitive results an values) quantitat tandard.	, flag	า	
	ii. Non	-detects ass	ociated with IS >	. 100%		

should not be qualified.

				<u></u>					·—	
	A Regi			(Rev.4,	January 1	1998)		: Aug HW-22		
								YES	ИО	N/A
			iii.	<pre>(<50%) detects area co perform off, file</pre>	, qualify s (U-value ounts are mance exhi	is below the all associates) "J". If earth (<2 ibits a major associated nor	extremely lo extremely lo 25%) or if abrupt dro	w		
	15.2	with.		second:		f all interna associated ca		1		
	ACTIO	: NC	qual	ify data		nt should be retention tir		у		
16.0	Labo	rator	y Con	trol Sa	mples (LC:	<u>3)</u>				
	16.1	anal		which fa	='	in order to v teria for sp:	-	14		
	16.2	same		ytes and		ple spiked wa e concentrata		14		
	16.3	anal	ytes	within t	the QC aco	d deviation of ceptance ranges (3.5 lsb limits?		کلا		
	ACTIO	ON:	the for	designat that con	ted range, mpound is	ny analyte fa , the analyt: suspect and unspiked san	ical results should be	3		
17.0	Field	d Dup.	licat	es						
	17.1			field du ile ana:		submitted fo	or			

Date: August, 2008

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YES NO N/A

ACTION: Compare the reported results for field

duplicates and calculate the relative percent

difference.

ACTION: Any gross variation between field duplicate

results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates

should be confirmed by contacting the

sampler.

VALIDATION COMPLETENESS WORKSHEET LDC #: 31445D3a

SDG #: 480-55212-1 Laboratory: Test America, Inc. Cat A/Cat B

Page:_] Reviewer: 2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/24 /14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CW ≤ 2 d &
V.	Blanks	A	
VI.	Surrogate spikes	SIN	
VII.	Matrix spike/Matrix spike duplicates	Sul	
VIII.	Laboratory control samples	A	ics b
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
Xi.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL & Results & RL = Jacts
XIV.	Overall assessment of data	4	
XV.	Field duplicates	SW	$D_1 = 3,10$ $D_2 = 11 13$
XVI.	Field blanks	М	FB = 30

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet

ND = No compounds detected

D = Duplicate TB = Trip blank

FB = Field blank

R = Rinsate

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

		Water ())	+ Soil_					
1 1	LT-G-060-0-2	**	111	DUP030	D-1	21	LT-G-033-0-2	31	LT-G-028-0-2MS
2 1	LT-G-060-4-6		12 12	LT-G-030-0-2	* *	22	LT-G-033-2-4	32	LT-G-028-0-2MSD
3	LT-G-060-8-10	D,	13	LT-G-030-4-6	Dr	23	LT-G-033-6-8	33	LT-G-032-6-8MS
4 1	LT-G-028-0-2		14	LT-G-030-6-8		24	LT-G-034-0-2 ** (10K)	34	LT-G-032-6-8MSD
5 1	LT-G-028-4-6		15	LT-G-031-0-2		25	LT-G-034-2-4	35	MB 480-167818/1-A
6	LT-G-028-8-10		16	LT-G-031-4-6		26	LT-G-034-6-8	36 7	-167819/
7 1	LT-G-029-0-2		17	LT-G-031-6-8		27	LT-G-035-0-2	37 3	- 168003/
8 1	LT-G-029-2-4		18	LT-G-032-0-2		28	LT-G-035-2-4	38 4	- 167849/
9 1	LT-G-029-8-10		19	LT-G-032-4-6		29	LT-G-035-6-8	39	
10	DUP029	Ь,	20	LT-G-032-6-8		30 ¥	FB029 W	40	

Notes:	(Dil	due	to	MATRIX)						
	(·	,						
		_					 	 	····		

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:		

LDC#: 31445 D32

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page:_	<u> </u>
Reviewer:_	N.
2nd Reviewer:_	3

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

<u>N N/A</u> Were Evaluation mix standards run before initial calibration and before samples?

J. 4,4'-DDE

L. Endosulfan II

K. Endrin

N. Endosulfan sulfate

O. 4,4'-DDT

P. Methoxychlor

<u>Y</u> N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (≤15.0% for individual breakdowns)?

》以N/A Was at least one standard run daily to verify the working curve?

Y(N/N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <20.0%?

Level IV/D Only

N/A Date	Standard ID	Column	Compound	%D (Limit ≤ 20.0)	RT (Limits)	Associated Samples	Qualifications
2/28/14	5-6053	RTX-CLPI	A	34.8	()	12 (10)	A tw [
/ ' '		1'		40.0	()		
				42.0	()		
				37.6	()		
			E F	49.8	()		
				36.6			
			G '	26.6	()		
					()		
/					()		
1/07/12	25_65064	RIX-CUP2	<u> </u>	32.7	()	12 MB 480-168003/1-	A (No.)
 	(10V)				()		
					()		
					()		
					()		
					()		
					()		
					()		
					(
					(
					()		
					()		
		1			()		

R. Endrin aldehyde

S. alpha-Chlordane

T. gamma-Chlordane

V. Aroclor-1016

W. Aroclor-1221

X. Aroclor-1232

Z. Aroclor-1248

AA. Aroclor-1254

BB. Aroclor-1260

DD. DB 1701

EE. Hexachlobenzene

D. gamma-BHC

B. beta-BHC

C. delta-BHC

F. Aldrin

G. Heptachlor epoxide

H. Endosulfan I

LDC #:	3	445	D39
LDC #:	- (. 13	y 3º

VALIDATION FINDINGS WORKSHEET <u>Surrogate Spikes</u>

of
JVG
OL.

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Were surrogates spiked into all samples, standards and blanks?

Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	24	RTX-CLP2	A	0 (30-124)	No pure (dil)
	(16x)	•	B	(32/36)	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
A	Tetrachloro-m-xylene			
В	Decachlorobiphenyl			

LDC #: 31445 D34

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page: _\ of _/ Reviewer: _\(\lambda \) 2nd Reviewer: _\(\lambda \)

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SD

Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	33/34	F	()	()	12 (12)	20 (M)	J Nets /A
	/	C	()	()	16 (14)		
		I	()	()	24 (12)		
		T	()	()	19 (15)		
		Ġ	()	()	23 (15)	7 7	
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()	-	
			()	()	()		
			()	()	()		
			()	()	()		
			(_)	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		
 	<u></u>			()	()		
				()	()		

LDC#:31445D2a

VALIDATION FINDINGS WORKSHEET Field Duplicates

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentration (µg/Kg)		RPD	Diff.	Diff Limits	Qualifiers
Analyte	3	10	(≤100%)	Dill.	(2xRL)	(Parents Only)
В	1.8U	0.53		1.27	(≤3.6)	
С	1.8U	0.58		1.22	(≤3.6)	
D	0.46	1.8U		1.34	(≤3.6)	

Analyte	Concentration (μg/Kg)		RPD	Diff.	Diff Limits	Qualifiers
Analyte	11	13	(≤100%)	DIII.	(2xRL)	(Parents Only)
J	1.8U	0.49		1.31	(≤3.6)	

LDC #: 31445 D 35

VALIDATION FINDINGS WORKSHEET <u>Compound Quantitation and Reported CRQLs</u>

Page:	\of
Reviewer:	JVG
2nd Reviewer:	$-\alpha$

METHOD:	GC	HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A". **Level IV/D Only**

Y N N/A Y N N/A Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Did the reported results for detected target compounds agree within 10.0% of the recalculated results? Did the percent difference of detected compounds between two columns./detectors <40%?

If no, please see findings bellow.

$\overline{}$	If no, plea	ase see findings bellow.		
#	Compound Name	Sample ID	%RPD/%D Between Two Columns/Detectors Limit (<u>≤40%</u>)	Qualifications
	E	1	113.06	NJ/A *
	G		66.79	J dets /A
	T		28,95	
	J		59.06	\\
	H		80.86	NJ / X
	I		81.37	
	0		8 4, 86	<u> </u>
	R	<u> </u>	30,43	J dets A
<u> </u>				Jdets A
 	J	12	89.28	1.8 U ug/kg
ļ				

 		· · · · · · · · · · · · · · · · · · ·		
				
				
 				
				· · · · · · · · · · · · · · · · · · ·

Comments:	See sample calculation	n verification worksh	eet for recalculation	<u>ns ⊁</u>	Interference	tute oted
-		<u> </u>				

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	117593	0.0050
			2	248229	0.0100
	RTX-CLP2		3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
2/6/2014	HP6890-25	4,4'-DDT	1	72250	0.0050
			2	155669	0.0100
	RTX-CLP2		3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

		g-BH	С	DE)T
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000832	-30608.233	0.002459	-37996.410
Std Err of Y Est					
R Squared	r^2 =	0.999881	1.000000	0.999828	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600
Std Err of Coef.					
Correlation Coefficient		0.999941		0.999914	
COD r2		0.999881		0.999828	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 2 of 6
Reviewer: JVG
2nd Reviewer: ~~

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
2/6/2014	HP6890-25	g-BHC	1	245470	0.0050
			2	522454	0.0100
	RTX-CLP1		3	2965070	0.0500
			4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25	4,4'-DDT	1	148289	0.0050
			2	326138	0.0100
	RTX-CLP1		3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500

		g-BH	С	DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000220	-49614.415	0.001978	-68453.561
Std Err of Y Est					
R Squared	r^2 =	0.999507	1.000000	0.999956	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100
Std Err of Coef.					
Correlation Coefficient		0.999754	·	0.999978	
COD r2		0.999507		0.999956	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:	<u>3</u> of <u>6</u>
Reviewer	JVG
2nd Reviewer:	α

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	402955	0.0050
			2	834751	0.0100
	RTX-CLP1		3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1	289212	0.0050
			2	577382	0.0100
	RTX-CLP1		3	3299716	0.0500
			4	6627939	0.1000
	:		5	9728110	0.1500

		g-BHC		DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000599	-97277.158	0.000386	-50692.861
Std Err of Y Est					
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600
Std Err of Coef.					
Correlation Coefficient		0.999763		0.999839	
COD r2		0.999527		0.999678	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 4_of_6 Reviewer: JVG 2nd Reviewer: ______

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081 K)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/27/2014	HP6890-6	g-BHC	1	397852	0.0050
			2	812531	0.0100
	RTX-CLP2		3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6	4,4'-DDT	1	229092	0.0050
			2	493120	0.0100
	RTX-CLP2		3	2995114	0.0500
	1		4	6213805	0.1000
			5	9379617	0.1500

		g-BHC		DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050
Std Err of Y Est				·	
R Squared	r^2 =	0.999152	1.000000	0.999938	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200
Std Err of Coef.					
Correlation Coefficient		0.999576		0.999969	
COD r2		0.999152		0.999938	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: 5 of 6
Reviewer: JVG
2nd Reviewer: ~

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	384391	0.0050
			2	769175	0.0100
	RTX-CLP1		3	4238163	0.0500
			4	8648475	0.1000
			5	13126505	0.1500
1/31/2014	HP6890-5	4,4'-DDT	<u> </u>	489709	0.0050
		•	2	918323	0.0100
	RTX-CLP1		3	4936564	0.0500
			4	9844810	0.1000
			5	14716256	0.1500

		g-BH	ıc	DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page:_	<u>6</u> of <u>6</u>
Reviewer:_	JVG
2nd Reviewer:	<u> </u>

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081Å)

Calibration				(Y)	(X)
Date	Instrument/Column	Compound	Standard	Response	Concentration
1/31/2014	HP6890-5	g-BHC	1	437610	0.0050
			2	877732	0.0100
	RTX-CLP2		3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
	RTX-CLP2		3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

		g-BHC		DDT	
Regression Output		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000653	-66105.213	0.001754	-75318.281
Std Err of Y Est					
R Squared	r^2 =	0.999967	1.000000	0.999837	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
Std Err of Coef.					
Correlation Coefficient		0.999984		0.999918	
COD r2		0.999967		0.999837	

LDC#: <u>31445D3a</u>

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration Calculation Verification</u>

Page:_	<u>1_of_1_</u>
Reviewer:	JVG
2nd Reviewer:	a

	/	
METHOD:	GC /	HPLC
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The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Where:

Percent difference (%D) = 100 * (N - C)/N

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

						Reported	Recalculated	Reported	Recalculated
		Calibration			CCV Conc	Conc	Conc	% D	%D
#	Standard ID	Date	Compou	und					
1	25_69119	2/28/2014	g-BHC	CLP1	0.0500	0.0558	0.0558	11.7	11.7
			4,4'-DDT	CLP1	0.0500	0.0540	0.0540	8.0	8.0
			g-BHC	CLP2	0.0500	0.0500	0.0500	0.0	0.0
		, ,	4,4'-DDT	CLP2	0.0500	0.0457	0.0457	8.5	8.5
2	5_6053	2/28/2014	g-BHC	CLP1	0.0500	0.0700	0.0700	40.0	40.0
			4,4'-DDT	CLP1	0.0500	0.0422	0.0422	15.7	15.7
			g-BHC	CLP2	0.0500	0.0496	0.0496	0.8	0.8
			4,4'-DDT	CLP2	0.0500	0.0487	0.0487	2.6	2.6
3	6_12190	2/28/2014	g-BHC	CLP1	0.0500	0.0520	0.0520	4.0	4.0
			4,4'-DDT	CLP1	0.0500	0.0482	0.0482	3.7	3.7
ļļ .	1:		g-BHC	CLP2	0.0500	0.0464	0.0464	7.3	7.3
			4,4'-DDT	CLP2	0.0500	0.0422	0.0422	15.6	15.6
4	6_13012	2/28/2014	g-BHC	CLP1	0.0500	0.0510	0.0510	2.0	2.0
			4,4'-DDT	CLP1	0.0500	0.0478	0.0478	4.5	4.5
			g-BHC	CLP2	0.0500	0.0447	0.0447	10.6	10.6
			4,4'-DDT	CLP2	0.0500	0.0444	0.0444	11.3	11.3

LDC#: 31445 D32

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page:_	1	_of	1_
Reviewer:		JV	G
2nd reviewer:		(1	

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculati
--

% Recovery: SF/SS * 100

Where: SF = Surrogate Found SS = Surrogate Spiked

Sample ID:_

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	RIX-CLP2	0.62	0.0173	86	86	9
Decachlorobiphenyl	J		0.6207	104	104	1
Decachlorobiphenyl		<u> </u>	/			

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Surrogate Column		Surrogate Surrogate Dlumn Spiked Found		Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:_

Surrogate	Surrogate Surrogate te Column Spiked Found		Percent Recovery	Percent Recovery	Percent Difference	
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:		
<u></u>		

LDC#: 31445 D3A

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates Results Verification

raye.	<u></u>
Reviewer:_	JVG
2nd Reviewer:	G

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

RPD = IMS - MSDI * 2/(MS + MSD)

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples:

		Spike Added	Sample Concentration		l Sample entration	Matrix	Spike	Matrix Spil	ce Duplicate	MS/	MSD
Compound		5/kg_)	(No) Acq)		/=c/	Percent	Recovery	Percent	Recovery	RPD	
	MS	MSD	_ 0	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	17.6	17.5	Ö	4.0	12.5	79	79	71	7]	12	11
4,4'-DDT	Ì		0.77	16.3	13.8	88	68	75	75	7	リフ
Aroclor 1260											

Comments: Refer of Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when report	ted results do not agree within
10.0% of the recalculated results.	

LDC #: 31445 D39

VALIDATION FINDINGS WORKSHEET <u>Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification</u>

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: VCS 480 -1678 18/24

	S	pike	Spike	d Sample	L	_cs	LC	SD	LCS	/LCSD
Compound	(40	ided (/ks/)	(V	entration	Percent	Recovery	Percent	Recovery	F	RPD
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.6	ΝÅ	(s.7	NA	95	95				
4,4'-DDT	1		17.2		104	104				
Aroclor 1260										
	-									

Comments: Refer to Laboratory Control Sample/Laboratory Cor	ntrol Sample Duplicate findings	s worksheet for list of qualifications	<u>s and associated samples when r</u>	eported
results do not agree within 10.0% of the recalculated results.				
	· · · · · · · · · · · · · · · · · · ·			

LDC#: 31445 /32

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	<u>1</u> of 1
Reviewer:	JVG
2nd reviewer:	N

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

(Y N)	N/A
NY	N/A
7	

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example: $(1P_2 - \#P6890 - 25)$ $x = \frac{9-b}{m}$ Conc. = (295092) - (-37996.410) (20562317.6) X = 0.0162 find conc. = (0.0162)(10ml)(1000) (30.239)(0.877) = 6.1 ug/fey

#	Sample ID	Compound	Reported Concentration (الادر)	Calculated Concentration ()	Qualification
			6.1		
			<u> </u>		

Note:						
		_				
	,		 	 		

Date: October 2006 SOP HW-44, Rev.1.0

PACKAGE COMPLETENESS AND DELIVERABLES

C) CE	NIIIMD	ED.	31445	Ď	COM DETEND				
LAB:	Te	st An	nenica	Buffalo	SDG#	: Glen	tsle		
1.0	<u>Data</u>	Comp	<u>letene</u>	ss and De	liverables			YES NO	N/A
	1.1			e data bed e format?	en submitte	ed in CLP		1_	
	1.2		_	_	liverables ta package		eived	14_	· · · · · · · · · · · · · · · · · · ·
	ACTI	ON:	missi them,	ng delive note the	xplanation, rables. In effect on r narrative	f lab can review o	not provid	de	
2.0	Cove	r Let	ter; S	DG Narrati	<u>ive</u>				
	2.1	Is a		atory nari	rative or o	cover let	ter	1 <u>/</u> _	
	2.2				and/or SDO		contained	叹_	
3.0	<u>Data</u>	Valid	<u>dation</u>	Checklist	<u>-</u>				
	3.1	Does	this	data packa	age contair	n:			
		Water	r data	?				<u> </u>	
		Waste	e data	?					
		Soil	/solid	data?				1/	-
								•	

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ORGANOCHLORINE PESTICIDE

YES NO N/A

Date: October 2006

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples?

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?



ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?



Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

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ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

			Action			
Matrix	Preserved	Criteria	Detected compounds	Non-detected compounds		
	No	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	J*	UJ*		
	No	> 7 days(extraction) > 40 days(analysis)	J*	. ບປ		
Aqueous	Yes	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	No qualification			
	Yes	> 7 days(extraction) > 40 days(analysis)	J	ເນ		
	Yes/No	> 28 days (gross exceedance)	J	R		
	No	<pre>≤ 14days(extraction) ≤ 40 days (analysis)</pre>	J*	UJ*		
	No	> 14days(extraction) >40 days(analysis)	J	IJ		
Non-aqueous	Yes	<pre>≤ 14days(extraction) ≤ 40 days(analysis)</pre>	No qual	ification		
	Yes	> 14days(extraction) > 40 days(analysis)	J	IJ		
	Yes/No	> 28 days (gross exceedance)	J	R		

^{*} only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

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YES NO N/A

3.	0	Surrogate	Recovery	(Form II,	/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a.	Water/Waste	11		
			_	

b. Soil/Solid

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a.	Water	LX
b.	Waste	<u>u</u>

c. Soil/Solid

ACTION: Call lab for explanation/resubmittals.

If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

ACTION: Follow surrogate action, Table 2 below.

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YES NO N/A

Table 2. Surrogate Recovery Criteria

	Action				
Criteria	Detected Target Compounds	Non-detected Target Compounds			
%R > 200%	J	Use professional judgement			
150% < %R < 200%	J	No qualification			
30% ≤ %R ≤ 150%	No qualification				
10% ≤ %R < 30%	J	IJ			
%R < 10% (sample dilution not a factor)	J	R			
%R < 10% (sample dilution is a factor)	Use professional judgement				
RT out of RT window	Use professional judgement				
RT within RT window	No qualification				

3.6 Are there any transcription/calculation errors between raw data and Form II?

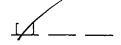
П_/_

ACTION:

If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 <u>Laboratory Control Sample(LCS)</u>

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.



ACTION:

If any <u>Laboratory Control Sample</u> data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

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YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below.

<u>__</u> __

Note:

Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note:

The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION:

If <u>Laboratory Control Samples</u> were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

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YES NO N/A

ACTION:

For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R > Upper Acceptance Limit	J	No qualification	
%R < Upper Acceptance Limit	J	R	
Lower Acceptance Limit <pre></pre>	No qualifications		

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

LV___

NOTE:

For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?



ACTION: If any data are missing take action as specified in section 3.2 above.

6.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

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YES NO N/A

a. Water

□ _ _

b. Waste

니 __ _/

c. Soil/Solid

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

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1		

Note:

Spiking analytes may differ from those in Table 5.

Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) <u>For all other aqueous samples</u> the larger of either 1 to 5 x times the expected background

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YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. In the limits.

Note: Vuse lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Table of Macrix Spine Recovery Criccita				
Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

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YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION:

Follow the matrix spike actions (Table 7)

for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R or RPD > Upper Acceptance Limit	J	No qualification	
20% R < %R < Lower Acceptance Limit	J	ບJ	
%R < 20%	J	Use professional judgement	
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications		

Note:

When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

- 6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?
- 6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

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YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

TA ____

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are <u>not</u> used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

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7.2 Do any field/rinse blanks have positive organochlorine pesticide results?



ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

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YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
		< CRQL	Report CRQL value with a U
Method, Clean up, Instrument, Field	> CRQL	≥ CRQL and < blank contamination	Report the concentration for the sample with a
		CRQL and blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated

as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant

concentration in the blank is multiplied by the sample

dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected

positive compounds in the associated samples should be qualified as unusable "R", due to interference.

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YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?



ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

- 8.0 <u>Gas Chromatography with Electron Capture Detector (GC/ECD)Instrument Performance Check (CLP Form VI and Form VII Equivalent)</u>
 - 8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

/		
$\mathbf{L}_{\mathbf{X}}$	 	

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column	1:	
column	2:	

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

- 9.0 Calibration and GC Performance
 - 9.1 Are the following Gas Chromatograms and Data Systems Printouts for <u>both</u> columns present for all samples, blanks, MS, replicates?
 - a. DDT/endrin breakdown check

[1/]	

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A b. toxaphene TX _____ <u>_____</u> technical chlordane c. d. 5 pt. initial calibration standards calibration verification standards W___ f. LCS g. Method blanks ACTION: If no, take action specified in 3.2 above. 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ACTION: If no, take action as specified in 3.2 above. 9.3 Has the individual % breakdown exceeded 20.0% on either column for: - 4,4' - DDT? - endrin? ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as

described below.

- If 4,4'-DDT breakdown is greater than 20.%: a.
 - i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

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YES NO N/A

- b. If endrin breakdown is greater than 20.0%:
 - i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").
 - ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").
- 9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence?

- NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.
- ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.
- 9.5 Are there any transcription/calculation errors between raw data and data summary forms.

___ []X.___

- ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.
- 9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms?

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YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above?

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence?

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

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YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration () standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes).

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria				
	Detected Associated Compounds	Non-Detected Associated Compounds			
% RSD exceeds allowable limits*	J No qualification				
% RSD within allowable limits*	NO qualifications				

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD ≤ 25% for alpha-BHC and delta-BHC

%RSD ≤ 30% for Toxaphene peaks

%RSD ≤ 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0 YES NO N/A working day, prior to sample analyses (pages 8081B-15, sections 7.5.2)? 9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)? If no, take action as specified in section 3.2 ACTION: above. 9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV? ACTION: See Table 10 below. 9.13 Has the percent difference (%D) exceeded ± 20% for any organochlorine pesticide analyte in any calibration verification standard? 9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the outof-control standard (page 8081B-16, section 7.5.2.3) reinjected? If the %D for any analyte exceeded the ± 20% ACTION: criterion and the instrument was not recalibrated for those analytes, see table below. 9.15 Have daily retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial

calibration)?

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YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

9.17 Do all standard retention times for each midconcentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows (page 8081B-16, section 7.5.3)?

14____

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is \pm 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

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YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action			
	Detected Associated Non-Detected Associ Compounds Compounds			
RT out of RT window	Use professional judgement			
%D not within +/- 20%	J UJ			
Time elapsed greater than section 9.12 criteria.		R		
%D, time elapsed, RT are all within acceptable limits.	No quali	fications		

9.18 Are there any transcription/calculation errors between raw data and data summary forms? 14_

ACTION: If large errors exists, call lab for

explanation/resubmittal, make any necessary corrections and document the effect in data

assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?



ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?



ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

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YES NO N/A

accordingly. Generally, the effect is negligible unless the

	sequence was grossly altered or the calibration was a of limits.	ilso out
11.0	Extraction Method Cleanup Efficiency Verification (Form IX/Equ	ivalent)
	11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?	
	1. Aqueous samples:	
	1. Separatory funnel (Method 3510)	
	2. Continuous liquid-liquid extraction (Method 3520)	
	3. Solid phase extraction (Method 3535)	
	4. Other	
	2. Solid samples:	
	1. Soxhlet (Method 3540)	
	2. Automated Soxhlet (Method 3541)	-
	3. Pressurized fluid (Method 3545)	<u></u>
	4. Microwave extraction (Method 3546)	-
	5. Ultrasonic extraction (Method 3550)	_
	6. Supercritical fluid (Method 3562)	-
	7. Other	
	11.2 Is Form IX - Pest-1/Equivalent present and complete for elot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.)	each

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		YES NO N/A
ACTION:	If no, take action specified in 3.2 data suggests that florisil cleanup performed, make note in the reviewe	was not
NOTE:	Method 3620A uses Florisil, while tallows for Florisil cartridges. Me not list which pesticides and surrout to verify column efficiency. The recheck project plan to verify method as the correct pesticide list. If neavailable, use the CLP listing or a laboratory used.	thod 3620A does gate(s) to use eviewer must used as well ot stated or
	all samples listed on modified CLP Polisil/Cartridge Check Form?	esticide
ACTION:	If no, take action specified in 3.2	above.
	PC Cleanup was performed, is Form IX valent present?	- Pest-2/
ACTION:	If GPC was not performed and sample indicate significant sulfur interference in the data assessment.	
NOTE:	GPC cleanup is not required and is reviewer should check Project Plan requirement.	
	the same compounds on Form IX used efficiency of the cleanup procedures	
surro	percent recoveries (% R) of the pest ogate compounds used to check the ef ne cleanup procedures within QC limi orm IX:	ficiency
80-12	20% for florisil cartridge check?	
80-11	10% for GPC calibration?	□ - /

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YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

1

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?

T. —

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION:

Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

11

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data

assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

RPP
12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%?

NOTE:

The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

Date: October 2006 SOP HW-44, Rev.1.0

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Differe	<u>ence</u>	<u> Oualifier</u>
0-25%		none
26-70%		"J"
71-100%		"U"
101-200%	(No Interference)	"R"
101-200%	(Interference detected) "NJ"	
>50%	(Pesticide vale is <crql)< td=""><td>"U"</td></crql)<>	"U"
>201%		"R"

Note: The lower of the two values is reported on Form I.

If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

4_

NOTE:

Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

USEPA Region II Date: October 2006 SW846 Method 8081B Pesticides SOP HW-44, Rev.1.0

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

Date: October 2006 SOP HW-44, Rev.1.0

ACTION: A

Any gross variation between field duplicate results must be addressed in the reviewer

narrative. However, if large differences exist,

the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field

duplicates.

Site: G

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-55212-1

Reviewer:

Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 19, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-G-060-0-2	480-55212-1	Metals
LT-G-060-4-6	480-55212-2	Metals
LT-G-060-8-10	480-55212-3	Metals
LT-G-028-0-2**	480-55212-4	Metals
LT-G-028-4-6	480-55212-5	Metals
LT-G-028-8-10	480-55212-6	Metals
LT-G-029-0-2	480-55212-7	Metals
LT-G-029-2-4	480-55212-8	Metals
LT-G-029-8-10	480-55212-9	Metals
DUP029	480-55212-10	Metals
DUP030	480-55212-11	Metals
LT-G-030-0-2	480-55212-12	Metals
LT-G-030-4-6	480-55212-13	Metals
LT-G-030-6-8	480-55212-14	Metals
LT-G-031-0-2	480-55212-15	Metals
LT-G-031-4-6	480-55212-16	Metals
LT-G-031-6-8	480-55212-17	Metals
LT-G-032-0-2	480-55212-18	Metals
LT-G-032-4-6	480-55212-19	Metals
LT-G-032-6-8**	480-55212-20	Metals
LT-G-033-0-2	480-55212-21	Metals
LT-G-033-2-4	480-55212-22	Metals
LT-G-033-6-8	480-55212-23	Metals
LT-G-034-0-2	480-55212-24	Metals
LT-G-034-2-4	480-55212-25	Metals
LT-G-034-6-8	480-55212-26	Metals
LT-G-035-0-2	480-55212-27	Metals
LT-G-035-2-4	480-55212-28	Metals
LT-G-035-6-8	480-55212-29	Metals
FB029	480-55212-30	Metals
LT-G-028-0-2MS	480-55212-4MS	Metals
LT-G-028-0-2MSD	480-55212-4MSD	Metals
LT-G-032-6-8MS	480-55212-20MS	Metals
LT-G-032-6-8MSD	480-55212-20MSD	Metals

Glen Isle, NYSDEC, Project Number: RWI1401

Associated QC Samples(s): Field/Trip Blanks: FB029

Field Duplicate pair: LT-G-060-8-10 and DUP029

LT-G-030-4-6 and DUP030

The above-listed soil and water samples were collected on February 14, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13 (September 2006) and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011 (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Glen Isle, NYSDEC, Project Number: RWI1401

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	5.66 mg/Kg		LT-G-060-0-2
	Iron	3.41 mg/Kg		LT-G-060-4-6
	Manganese	0.123 mg/Kg		LT-G-060-8-10
	Zinc	0.401 mg/Kg		LT-G-028-0-2**
				LT-G-028-4-6
	ĺ			LT-G-028-8-10
				LT-G-029-0-2
				LT-G-029-2-4
				LT-G-029-8-10
				DUP029
·				DUP030
				LT-G-030-0-2
				LT-G-030-4-6
				LT-G-030-6-8
				LT-G-031-0-2
				LT-G-031-4-6
				LT-G-031-6-8
				LT-G-032-0-2
				LT-G-032-4-6
PB (prep blank)	Calcium	4.50 mg/Kg		LT-G-032-6-8**
	Chromium	0.617 mg/Kg		LT-G-033-0-2
	Iron	5.20 mg/Kg	"	LT-G-033-2-4
	Manganese	0.152 mg/Kg		LT-G-033-6-8
	Nickel	0.327 mg/Kg		LT-G-034-0-2
	Zinc	0.393 mg/Kg		LT-G-034-2-4
				LT-G-034-6-8
1				LT-G-035-0-2
				LT-G-035-2 - 4
				LT-G-035-6-8

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	0.220 mg/L		FB029
	Manganese	0.00122 mg/L		
	Zinc	0.00190 mg/L		

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-G-029-8-10	Calcium	223 mg/Kg	277U mg/Kg
	Zinc	8.4 mg/Kg	11.1U mg/Kg
LT-G-031-4-6	Calcium	133 mg/Kg	288U mg/Kg
	Zinc	8.4 mg/Kg	11.5U mg/Kg
LT-G-031-6-8	Calcium	165 mg/Kg	256U mg/Kg
	Zinc	9.1 mg/Kg	10.3U mg/Kg
LT-G-033-0-2	Calcium	196 mg/Kg	287U mg/Kg
	Nickel	7.3 mg/Kg	28.7U mg/Kg
LT-G-033-2-4	Calcium	258 mg/Kg	285U mg/Kg
	Nickel	6.0 mg/Kg	28.5U mg/Kg
LT-G-033-6-8	Nickel	10.8 mg/Kg	26.7U mg/Kg
LT-G-034-0-2	Nickel	10.8 mg/Kg	25.1U mg/Kg
LT-G-034-2-4	Nickel	21.1 mg/Kg	29.1U mg/Kg
LT-G-035-0-2	Nickel	13.5 mg/Kg	29.2U mg/Kg
LT-G-035-2-4	Nickel	18.7 mg/Kg	27.9U mg/Kg
LT-G-035-6-8	Nickel	12.2 mg/Kg	29.0U mg/Kg
FB029	Zinc	0.0021 mg/L	0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB029 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples LT-G-028-0-2** and LT-G-032-6-8** for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS		MS	MSD	RPD	QC	Associated	Validation
Sample	Analyte	%R	%R	Limits	Limits	Samples	Actions
LT-G-028-0-2MS/MSD	Barium	162	144	-	75-125	LT-G-060-0-2	J detects
	Manganese	134	134	-	75-125	LT-G-060-4-6	J detects
		•				LT-G-060-8-10	
		·				LT-G-028-0-2**	
						LT-G-028-4-6	
						LT-G-028-8-10	
						LT-G-029-0-2	
						LT-G-029-2-4	
						LT-G-029-8-10	
	<u> </u>					DUP029	
						DUP030	
						LT-G-030-0-2	
						LT-G-030-4-6	
						LT-G-030-6-8	
						LT-G-031-0-2	
						LT-G-031-4-6	
						LT-G-031-6-8	
						LT-G-032-0-2	
						LT-G-032-4-6	
LT-G-028-0-2MS/MSD	Antimony	54	50	-	75-125	LT-G-060-0-2	J detects
						LT-G-060-4-6	UJ nondetects
						LT-G-060-8-10	
						LT-G-028-0-2**	
			•			LT-G-028-4-6	
						LT-G-028-8-10	
						LT-G-029-0-2	
						LT-G-029-2-4	
						LT-G-029-8-10	
						DUP029	,
						DUP030	
						LT-G-030-0-2	
						LT-G-030-4-6	
						LT-G-030-6-8	
						LT-G-031-0-2	
						LT-G-031-4-6	
						LT-G-031-6-8	
						LT-G-032-0-2	
						LT-G-032-4-6	

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
LT-G-032-6-8MS/MSD	Aluminum	395	434	-	75-125	LT-G-032-6-8**	J detects
	Cobalt	38	56	-	75-125	LT-G-033-0-2	J detects
	Iron	135	-	_	75-125	LT-G-033-2-4	J detects
	Nickel	51	62	-	75-125	LT-G-033-6-8	J detects
	Vanadium	64	-	-	75-125	LT-G-034-0-2	
			ĺ			LT-G-034-2-4	•
il.						LT-G-034-6-8	
						LT-G-035-0-2	
						LT-G-035-2-4	
						LT-G-035-6-8	
LT-G-032-6-8MS/MSD	Antimony	70	72	-	75-125	LT-G-032-6-8**	UJ nondetects
						LT-G-033-0-2	
						LT-G-033-2-4	
						LT-G-033-6-8	
ŀ						LT-G-034-0-2	
						LT-G-034-2-4	
						LT-G-034-6-8	
						LT-G-035-0-2	
	1					LT-G-035-2-4	
						LT-G-035-6-8	

Estimate (J) the positive barium, magnesium, aluminum, and iron results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive cobalt, nickel, and vanadium results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J/UJ) the positive and nondetect antimony results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory <u>Duplicate Results</u>

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

	Concentration	on (mg/Kg)	RPD	Difference	
Analyte	LT-G-060-8-10	DUP029	(Limits)	(Limits)	Validation Actions
Aluminum	3560	2050	54 (≤100)	-	-

	Concentration	on (mg/Kg)	RPD	Difference	
Analyte	LT-G-060-8-10	DUP029	(Limits)	(Limits)	Validation Actions
Arsenic	2.5	2.7	-	0.2 (≤24.2)	-
Barium	43.8	24.8	55 (≤100)	-	-
Beryllium	0.17	0.15	-	0.02 (≤2.4)	-
Cadmium	0.12	0.089	-	0.031 (≤2.4)	-
Calcium	815	590	-	225 (≤608)	-
Chromium	18.7	8.8	72 (≤100)	-	_=
Cobalt	106	64.3	49 (≤100)	-	-
Copper	6.8	5.5	-	1.3 (≤12.2)	
Iron	21800	17900	20 (≤100)_		
Lead	2.3	1.8	-	0.5 (≤12.2)	
Magnesium	1780	791	77 (≤100)	-	<u> </u>
Manganese	818	417	65 (≤100)		_
Nickel	41.6	26.0	-	15.6 (≤60.8)	-
Potassium	1200	603	66 (≤100)		
Sodium	49.4	35.5	-	13.9 (≤1700)	-
Vanadium	15.9	9.1	-	6.8 (≤6.0)	J detects
Zinc	35.9	26.9	-	9 (≤24.2)	-

⁻⁼no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair. For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

	Concentrati	ion (mg/Kg)	RPD	Difference	
Analyte	DUP030	LT-G-030-4-6	(Limits)	(Limits)	Validation Actions
Aluminum	5120	5890	14 (≤100)	-	-
Antimony	89.9U	0.48	-	89.42 (≤179.8)	-
Arsenic	8.6	4.8	-	3.8 (≤24.0)	-
Barium	54.9	38.2	36 (≤100)	-	-
Beryllium	0.25	0.23	-	0.02 (≤2.4)	-
Cadmium	0.26	0.22	-	0.04 (≤2.4)	-
Calcium	637	542	16 (≤100)	95 (≤600)	-
Chromium	18.4	19.6	6 (≤100)	-	-
Cobalt	8.7	10.6	-	1.9 (≤6.0)	-
Copper	10.2	9.9	-	0.3 (≤12.0)	
Iron	33800	26800	23 (≤100)	-	-
Lead	3.9	3.4	-	0.5 (≤12.0)	-
Magnesium	1630	1830	12 (≤100)	-	-
Manganese	541	629	15 (≤100)	-	-
Nickel	15.6	13.7	-	1.9 (≤60.0)	-
Potassium	1280	896	35 (≤100)	•	-
Sodium	34.3	37.3	-	3 (≤1678)	-
Vanadium	17.8	16.9	5 (≤100)	-	<u>-</u>
Zinc	29.8	32.3	-	2.5 (≤24.0)	-
Mercury	0.023U	0.010	-	0.013 (≤0.046)	-

⁻no action required

For soil results > 5xRL and RPDs > 100; estimate (J) results in the field duplicate pair. For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

The positive results for vanadium were qualified as estimated (J) due to high difference in field duplicate results for samples LT-G-060-8-10 and DUP029. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples LT-G-028-0-2** and LT-G-032-6-8** for metals. Analytes that did not meet the criteria are summarized in the following table.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
LT-G-028-0-2**	Calcium	11 (≤10)	LT-G-060-0-2	J detects
]]	Iron	19 (≤10)	LT-G-060-4-6	J detects
	Manganese	11 (≤10)	LT-G-060-8-10	J detects
	Zinc	13 (≤10)	LT-G-028-0-2**	J detects
			LT-G-028-4-6	
			LT-G-028-8-10	
			LT-G-029-0-2	
Ï		}	LT-G-029-2-4	
			LT-G-029-8-10	
			DUP029	
			DUP030	
			LT-G-030-0-2	
			LT-G-030-4-6	
			LT-G-030-6-8	
			LT-G-031-0-2	
			LT-G-031-4-6	
			LT-G-031-6-8	
			LT-G-032-0-2	
			LT-G-032-4-6	
LT-G-032-6-8**	Aluminum	22 (≤10)	LT-G-032-6-8**	J detects
	Barium	23 (≤10)	LT-G-033-0-2	J detects
	Beryllium	23 (≤10)	LT-G-033-2-4	J detects
	Calcium	24 (≤10)	LT-G-033-6-8	J detects
	Chromium	22 (≤10)	LT-G-034-0-2	J detects
	Cobalt	11 (≤10)	LT-G-034-2-4	J detects
	Copper	18 (≤10)	LT-G-034-6-8	J detects
	Iron	28 (≤10)	LT-G-035-0-2	J detects
	Magnesium	25 (≤10)	LT-G-035-2-4	J detects
	Manganese	25 (≤10)	LT-G-035-6-8	J detects
	Nickel	12 (≤10)		J detects
	Vanadium	21 (≤10)		J detects
	Zinc	23 (≤10)		J detects

The positive results for aluminum, barium, beryllium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, vanadium, and zinc were qualified as estimated (J) due to high percent difference in the serial dilution analysis. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445D4	VALIDATION COMPLETENESS WORKSHEET	Date: 3/17/19
SDG #: 480-55212-1	Cat A/Cat B	Page:of/ Reviewer:
Laboratory: <u>Test America, Inc.</u> METHOD: Metals (EPA SW 84	1471時/ 1 十1。入 6 Method 6010C/ 7000)	Reviewer: 2nd Reviewer:

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
1.	Technical holding times	A	Sampling dates: 2/14/14
II.	ICP/MS Tune	W12	Not reviewed for Cat A review.
III.	Calibration	_ 4	Not reviewed for Cat A review.
IV.	Blanks	51./	
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	56/	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	<u> </u>	LCS CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	5W	Not-reviewed for Cat A review.
XI.	Sample Result Verification	A	Not reviewed for Cat A review. My C C Result CRL JJ+
XII.	Overall Assessment of Data	A'	,
XIII.	Field Duplicates	5w	(3,10), (11,13)
XIV.	Field Blanks	10	18-30 ZW

Note:

A = Acceptable N = Not provided/applicable SW = See worksheet

ND = No compounds detected

R = Rinsate

FB = Field blank

D = Duplicate

TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

-		_				_	
1	LT-G-060-0-2	112	DUP030	21	LT-G-033-0-2	31	LT-G-028-0-2MS
2	LT-G-060-4-6	12	LT-G-030-0-2	22	LT-G-033-2-4	32	LT-G-028-0-2MSD
3	LT-G-060-8-10	13	LT-G-030-4-6	23	LT-G-033-6-8	33	LT-G-032-6-8MS
4	LT-G-028-0-2 **	14	LT-G-030-6-8	24	LT-G-034-0-2	34	LT-G-032-6-8MSD
5	LT-G-028-4-6	15	LT-G-031-0-2	25	LT-G-034-2-4	35	
6	LT-G-028-8-10	16	LT-G-031-4-6	26	LT-G-034-6-8	36	
7	LT-G-029-0-2	17	LT-G-031-6-8	27	LT-G-035-0-2	37	
8	LT-G-029-2-4	18	LT-G-032-0-2	28	LT-G-035-2-4	38	
9	LT-G-029-8-10	19	LT-G-032-4-6	29	LT-G-035-6-8	39	
16	DUP029	20	LT-G-032-6-8	30	FB029	40	

Notes:	h. Lie.	the		 		 	
	7.00	`)		-		

LDC#:][4456]

VALIDATION FINDINGS WORKSHEET Sample Specific Element Reference

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2nd reviewer: 1	_

All circled elements are applicable to each sample.

, , , , , , , , , , , , , , , , , , , ,	Target Analyte List (TAL)
501/82	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
Sort	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN ⁻ ,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
]	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN
	Analysis Method
f	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,
	Al Sh. As. Ba. Be. Cd. Ca. Cr. Co. Cu. Fe. Ph. Mg. Mn. Hg. Ni, K. Se. Ag. Na, Tl. V. Zn. Mo. B. Si, CN.

Comments: Mercury by CVAA if performed

LDC #: 31445C4

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

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Reviewer:	
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METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied:

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 1-19

							e e e e e e e e e e e e e e e e e e e	Sam	ple Identifi	cation		164	
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	9	16	17						
Са	5.66				233/277	133/288	165/256						
Fe	3.41												
Mn	0.123												
Zn	0.401				8.4/11.1	8.4/11.5	9.1/10.3						

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 20-29

	ses.								Sam	ole Identific	ation			
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	21	22	23	24	25	27	28	29		
Ca	4.50				196/287	258/285								
Cr	0.617													
Fe	5.20													
Mn	0.152													
Ni	0.327				7.3/28.7	6.0/28.5	10.8/26.7	10.8/25.1	21.1/29.1	13.5/29.2	18.7/27.9	12.2/29.0		
Zn	0.393													

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445C4

VALIDATION FINDINGS WORKSHEET PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A) Sample Concentration units, unless otherwise noted: __mg/L_

Soil preparation factor applied:
Associated Samples: 30

Page:	20f 2
Reviewer:	
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100			1996	4		200	Sample Ide	entification	- Mary and a	
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum IGB/CCB (Mg/L)	Blank Action Limit	30					
Са			0.220							
Mn			0.00122							
Zn			0.00190		0.0021/0.010					

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note: a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445D4

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page:	_of
Reviewer:_	<u> </u>
2nd Reviewer:_	07

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identi	fied as "N/A".
---	----------------

Y)N N/A Was a matrix spike analyzed for each matrix in this SDG?

Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor

of 4 or more, no action was taken.

Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

N N/A

N N/A

Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

				MS	MSD			
#-	MS/MSD ID	Matrix	Analyte	%Recovery	%Recovery	RPD (Limits)	Associated Samples	Qualifications
1	31/32	Soil	Sb	54	50		1-19	J/UJ (det + ND)
			Ва	162	144		1	J det (All det)
			Mg	134	134		<i>\</i>	<u> </u>
H								
2	33/34	Soil	Al	395	434		20-29	J det (All det)
			Sb	70	72			J/UJ (All ND)
			co	38	56			J/UJ (All det)
			Fe	135				J det (All det)
			Ni	51	62			J/UJ (All det)
			V	64			М	V
Ш								
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$\parallel \perp \mid$								
\blacksquare						<u> </u>		

Comments: 31/32: Al, Fe, Mn >4X, 33/34: Zn > 4X, no qual for %R

LDC #: 31445D4

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

	Page:_	1	_of <u></u>	
	Reviewer:		<u> </u>	
2nd	Reviewer:		07	

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as	"N/A".
--	--------

Y)N N/A Was a matrix spike analyzed for each matrix in this SDG?

Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor

of 4 or more, no action was taken.

Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

N/A

N N/A

N N/A

Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Amalada	MS	MSD	DDD (1 :11-)	1	
╠╇┼			Analyte	%Recovery	%Recovery	RPD (Limits)	Associated Samples	Qualifications
1	31/32	Soil	Sb	54	50		1-19	J/UJ (det + ND)
			Ва	162	144			J det (All det)
			Mg	134	134			ν
Ш	<u>, </u>							
2	33/34	Soil	Al	395	434		20-29	J det (All det)
			Sb	70	72	-	1	J/UJ (All ND)
Ш			Со	38	56			J/UJ (All det)
П			Fe	135				J det (All det)
			Ni	51	62		\\\	J/UJ (All det)
			V	64			¥	V
Ш								
П								
I								
\square								

Comments: 31/32: Al, Fe, Mn >4X, 33/34: Zn > 4X, no qual for %R

LDC#:_31445D4___

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

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METHOD: Metals (EPA Method 6010C/7471B)

	Concentrati	on (mg/Kg)	(≤100)		l	Qualifications
Compound	3	10	RPD	Difference	Limits	(Parent Only)
Aluminum	3560	2050	54			
Arsenic	2.5	2.7		0.2	(≤24.2)	
Barium	43.8	24.8	55			
Beryllium	0.17	0.15		0.02	(≤2.4)	
Cadmium	0.12	0.089		0.031	(≤2.4)	
Calcium	815	590		225	(≤608)	
Chromium	18.7	8.8	72			
Cobalt	106	64.3	49		-	
Copper	6.8	5.5		1.3	(≤12.2)	
Iron	21800	17900	20			
Lead	2.3	1.8		0.5	(≤12.2)	
Magnesium	1780	791	77		-	
Manganese	818	417	65			
Nickel	41.6	26.0		15.6	(≤60.8)	
Potassium	1200	603	66			
Sodium	49.4	35.5		13.9	(≤1700)	
Vanadium	15.9	9.1		6.8	(≤6.0)	J det
Zinc	35.9	26.9		9	(≤24.2)	

	Concentrati	on (mg/Kg)	(≤100) RPD	Difference	Limits	Qualifications
Compound	11	13				(Parent Only)
Aluminum	5120	5890	14			
Antimony	89.9U	0.48		89.42	(≤179.8)	

LDC#: 31445D4

VALIDATION FINDINGS WORKSHEET <u>Field Duplicates</u>

Page: __of __ Reviewer: ___OT 2nd Reviewer: __OT

METHOD: Metals (EPA Method 6010C/7471B)

	Concentrati	on (mg/Kg)	(≤100)	D.//		Qualifications
Compound	11	13	RPD	Difference	Limits	(Parent Only)
Arsenic	8.6	4.8		3.8	(≤24.0)	
Barium	54.9	38.2	36			
Beryllium	0.25	0.23		0.02	(≤2.4)	
Cadmium	0.26	0.22		0.04	(≤2.4)	
Calcium	637	542	16	95	(≤600)	
Chromium	18.4	19.6	6			
Cobalt	8.7	10.6		1.9	(≤6.0)	
Copper	10.2	9.9		0.3	(≤12.0)	
Iron	33800	26800	23			
Lead	3.9	3.4		0.5	(≤12.0)	
Magnesium	1630	1830	12			
Manganese	541	629	15			
Nickel	15.6	13.7		1.9	(≤60.0)	
Potassium	1280	896	35			
Sodium	34.3	37.3		3	(≤1678)	
Vanadium	17.8	16.9	5			
Zinc	29.8	32.3		2.5	(≤24.0)	
Mercury	0.023U	0.010		0.013	(≤0.046)	:

V:\FIELD DUPLICATES\FD_inorganic\31445D4.wpd

LDC #: 31455D4

VALIDATION FINDINGS WORKSHEET ICP Serial Dilution

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C

METHOD: Trace Metals (EPA SW846 Method6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?

Y N/A Were ICP serial dilution percent differences (%D) <10%?

Y N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

 	Date					4 :410	
-	uare	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
1		4	Soil	Ca	11	1-19	J det (All det)
Ш				Fe	19		
				Mn	11		
Ш				Zn	13	Y	y
\Vdash							
2		20	Soil	Al	22	20-29	J det (All det)
$\Vdash +$				Ва	23		,
				Be	23		
				Ca	24		
				Cr	22		
				Со	11		
				Cu	18		
Ш				Fe	28		
				Mg	25	1	
				Mn	25		
				Ni	12		
				V	21		
Ш				Zn	23	<i>Y</i>	<u> </u>
╙							
╙							

Comments:				

VALIDATION FINDINGS WORKSHEET Initial and Continuing Calibration Calculation Verification

Page:	
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IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

in initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

5R = Found x 100 True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	س Found (ب ا g/L)	₩ True (y /g /L)	Recalculated %R	Reported %R	Acceptable (Y/N)
IN	ICP (Initial calibration)	k	18.84	18, 8	100	(2)	У
	ICP/MS (Initial calibration)						/
IcV	CVAA (Initial calibration)	Hg	0309	0.4030	(03	(0)	У
cw	ICP (Continuing calibration)	cd	0.5238	0.501	10× ~	1.5	Ĵ
	ICP/MS (Continuing calibration)		· ·				
cul	CVAA (Continuing calibration)	Ha	00207	00.70	loy	1.4	У
	GFAA (Initial calibration)	J					
	GFAA (Continuing calibation)						

omments:	Refer to Calibration	Verification findings v	vorksheet for list o	f qualifications and	l associated	samples wi	hen reported	esults do no	ot agree within	10.0% of the
calculated	results.				·					

DC#: 3144504

VALIDATION FINDINGS WORKSHEET <u>Level IV Recalculation Worksheet</u>

Page:	of
Reviewer:_	<u> </u>
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IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

ercent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

R = Found x 100

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation,

Found = SSR (spiked sample result) - SR (sample result).

True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

 $PD = |S-D| \times 100$ (S+D)/2 Where, S = Original sample concentration

D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

 $D = [I-SDR] \times 100$

Where, I = Initial Sample Result (mg/L)

SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
TesAp	ICP interference check	AZ	1,2217	0,200	(1)	w	y
105	Laboratory control sample	AZ	110,8	98.9	2 , 0	1124	
3	Matrix spike	Cr	(SSR-SR)	50.9	106	(06	
33/34	Duplicate	24	221,7	270,7		1	
4	ICP serial dilution	a	920958	0,20062	4-5	4-5	1

omments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 314450 Y

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	
Reviewer:_	~
2nd reviewer:	a

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Pleas Y N Y N Y N	N/A N/A	Have results Are results w	been reported	and calculated ated range of th	correctly?		re identified as "N/A ear range of the IC	
Detec equat		te results for _				were recalc	ulated and verified	using the following
RD FV In. Vol. Dil	ntration = = = = = =	(RD)(FV)(Dil) (In. Vol.) Raw data conce Final volume (m Initial volume (m Dilution factor	I)		ecalculation:	6.47895	x o. sep	= 279.9 hg/
#	Si	ample ID		Analyte		Reported Concentration () ()	Calculated Concentration	Acceptable (Y/N)
		4		Hg	0-00	93 000	0,0093	<u> </u>
2		20		7h		<i>7</i> 6∘	7/2 U	
Note:_								

SOP: H	W-2 Revision 13	Appendix A.1	Sept. 2006
			YES NO N/A
(b)	Form I's?		
	Is the number of samples on the Page the same as the number of samples on the Traffic Report sand the Regional Record of Control (ROC) for the data Case?	of sheet	
	ACTION: If no for any of the above, prepared to the second Log and confor re-submittal of the corrected from the laboratory.	tact RSCC/PO	
A.1.6 <u>SD</u>	G Narrative, DC-1 & DC-2 Form		
	Is the SDG Narrative present?		
	Is Sample Log-In Sheet(Form Dopresent and complete?	C-1)	<u> </u>
	Is Complete SDG Inventory Shee present and complete?	et(Form DC-2)	
	ACTION: If no, write in the Contract-Proble Non-Compliance Section of th Narrative.		
.1.7 <u>Forr</u>	n I to XV		
.1.7.1	Are all the Form I through Form X labeled with:	⟨ V	
	Laboratory Name?		<u> </u>
	Laboratory Code?		
	RAS/Non-RAS Case No.?		
•	SDG No.?		[/]

SOP:	HW-2 Revis	ion 13	Appendix A.1	Sept. 2006
				YES NO N/A
A.I.I	Contract Comp Present?	<u>liance Screenir</u>	ng Report	
	ACTION:	lf no, contac	t RSCC/PO.	
A.I.2	Record of Com	munication (fro	m RSCC)	·
	Present?			
	ACTION:	If no, reques	t from the RSCC.	
A.1.3	Sampling Trip R	teport	1	
	Present ar	nd complete?		
	ACTION:	If no, contact	RSCC/PO.	
A.I.4	Chain of Custod	y/Sample Traffi	c Report	
	Present?			
	Legible?			
	Signature of present?	of sample custoo	dian	
	ACTION: If	no, contact RS0	CC/WAM/PO.	
4.l.5 <u>!</u>	Cover Page	·		
	Present?			
	and the verl	r Page properly patim signed by the manager's o	the lab	
	on the Cove	ple identification er Page agree w n numbers on:		
	(a) Traffic R	eport Sheet?		

SOP:	HW-2	Revision 13	Appendix A.1	Sept, 2006
				YES NO N/A
		Contract No.?		
A.1.7.2	2	ACTION: If no for any of the above Contract Problem/Non-C of the "Data Review Narr PO for corrected Form(s) After comparing values of against the raw data, do transcription errors exceed reported values on the Formatten and the second seco	ompliance Section ative" and contact from the laboratory. n Forms I-IX any computation/ ed 10% of the	
÷	(a) all	analytes analyzed by ICF	P-AES?	_ []
	(b) all	analytes analyzed by ICF	P-MS?	_ []
	(c) Me	rcury?	•	_ 🗹
	(d) Cy	anide?		_ [] [
ć	and co	<u>N:</u> prepare Telephone Recontact CLP PO/TOPO for om the laboratory.		
ŀ	Data s nard/e	Data hall not be validated wit lectronic copies of the a ta for samples and QC	essociated	
٦.1.8.1	Ε	Digestion/Distillation Log		
		on Log for ICP-AES II)present?		
		on Log for ICP-MS II) present?		
		on Log for mercury (II) present?		
		ion Log for cyanide (II) present?		
Δ	re nH	values for metals and		

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SOP:	HW-2	Revision 13	Appendix A.1	Sept. 2006
				YES NO N/A
		e reported for each s sample?		
	•			
		cent solids calculations for soils/sediments?		W
		paration dates present on the preparation logs/bench sheets?	>	<u> </u>
		Distillation log must include weights, volumns used to obtain the reported results.	nes,	
A.1.8.2	2 ls real-time	the analytical instrument printouts present for:		
	ICP-AES	3?		<u></u>
	ICP-MS?	?		
	Mercury	?		M
	Cyanide?	?		
	and instru necessar	boratory bench sheets ument raw data printouts y to support all sample and QC operations:		
L	egible?			<u> </u>
Р	roperly la	beled?		M
		I samples, QC samples QC samples present on:		
D	igestion/[Distillation log?		
in	strument	Printouts?		M
	A OTION			

ACTION:

If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

SOP	: HW-2	Revision 13		Appendix	A.1	Se	ept. 2	006
						YES	NO	N/A
A.1.9	(Examine sa	cal Holding Time ample Traffic Reports ar the holding time from th on date.)	nd digestion/distillati	ion logs to	•			
A.1.9	9.1 (Cyanide distillation	(14 days)exce	eded?		_ []	~	
	٨	Mercury analysis(2	8 days) exceed	ded?		_ [v	<u> </u>	
	C	other Metals analy	sis(180 days)e	exceeded?	W-2-00-	[]	_	
	and flag	<u>N</u> : reject (R) and red- g as estimated (J) e(s) was preserved	results ≥ MDL					
	a list of all which exc be prepare the numbe (Subtract the si	sto qualifying the data, samples and analytes edded the holding times and Report for each samer of days that were except the sample collection days to the data review	ple eeded. te					
A.1.9.	2 Is	pH of aqueous sa	amples for:			/.		
	Metals A	Analysis ≤2?					-	
	Cyanide	Analysis ≥ 12?						
		: any of the above, flacts as "R" and dete						
A.1.9.3	Is the coo	oler temperature	≤ 10 C°?					
		: emperature is >10 ^c cts as "UJ" and dete						

A.1.10.1 Are Form I's for all samples

A.1.10 Final Data Correctness - Form I

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SOP:	HW-2	Revision 13	Appendix A.1	Se	ept. 2006
				YES	NO N/A
	prese	nt and complete?			
	Log ai	ON: prepare Telephone Record and contact CLP PO/TOPO and from the laboratory.			·
A.1.10		•	ation and transcription errors in the sle on each Form I all results that a		ect.
	i	s the calculation error les	ss than 10% of the correct result?	<u></u>	
		Are results on Form I's re MG/KG for soils)?	ported in correct units (ug/L for aq	ueous and	d .
	A	are results on Form I'S re	ported by correct significant figu	res? [<u>/</u>	j
		are soil sample results on orrected for percent solid		[]	-
		re all "less than MDL" va the CRQLs and coded v		[]	
	bu	re values less than the C it greater than or equal to DLs flagged with "J"?			
		re appropriate contractuantrol and Method qualifier	• •	[<u>√</u>]	
	lf pr	CTION: no for any of the above	Log, and contact		
1.10.3	an sa on	EPA sample identification of the corresponding laborable identification number the Cover Page, Form I'the raw data?	oratory ers match	[]	

Was a brief physical description

SOP: HW	-2 Revision 13	Appendix A.1	Sept. 2	006
			YES NO	<u>N/A</u>
	of the samples before and after digestion given on the Form I's?		[] 🗸	
	Was any sample result outside mercury/cyanide calibration ran or the ICP-AES/ICP-MS linear r diluted and noted on the Form I	ge range		
	ACTION: If no for any of the above, note the Contract-Problem/Non-Com Section of the Data Review Narrows	pliance		
A.1.11 <u>Init</u>	ial Calibration			
A.1.11.1	Is a record of at least 2 point (A blank and a standard)calibrat present for ICP-AES analysis?	tion		
	Is a record of at least 2 point (a blank and a standard)calibration present for ICP-MS analysis?		[]	<u></u>
	Is a record of at least 5 point call (a blank & 4 standards) present for H		<u>(</u>	
	Is a record of at least 4 point call (a blank & 4 standards) present for cy		[]	
	ACTION: If incomplete or no initial calibrat was performed, reject (R) and re the associated data (detects & no	d-line		
	Is one initial calibration standard at the CRQL level for cyanide an mercury?	d	[<u></u>	
	ACTION: If no, write in the Contract Proble Non-Compliance Section of the I Review Narrative.			
.1.11.2	Is the curve correlation			

coefficient \geq 0.995 for:

SOP: HW	-2 Revision 13 App	pendix A.I	Sept	2006	
			YES NO	N/A	
	Mercury Analysis?		[]		-
	Cyanide Analysis?		[]		<u>-</u>
	ICP-AES (more than 2 point Ca	lib.)?	[]	·	
	ICP-MS (more than 2 point ca	llib.)?	[]	V	,
	ACTION: If no, qualify the associate results > MDL as estimated "non-detects as "UJ". NOTE: The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.)	J" and			
A.1.12	Initial and Continuing Calibrat	ion Verification-	Form IIA		
A.1.12.1	Present and complete for ever metal and cyanide?	ry	[]	·	
	Present and complete for ICP and ICP-MS when both these me were used for the same analyt	ethods	[] _		
	ACTION: If no for any of the above, predephone Record Log and cont for re-submittal from the lab	act PO/TOPO			
1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?		[]		
	ACTION: If no for any of the above, win the Contract-Problem/Non-Contract Review National Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the above, we have a section of the Data Review Nation If no for any of the Data Review Nati	ompliance			
.1.12.3	Was an ICV or a mid-range sta distilled and analyzed with e of cyanide samples?		[]		

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			YES	ЙО	<u>N/A</u>	
	Section of the Dat	the above, write roblem/Non-Compliance ta Review Narrative and MDL as estimated (J).				
A.1.12.2	Circle on each Form IIA that are outside the con	•				
	Are ICV/CCVs within co	entrol limits for:				
	Metals - 90-110%	R?	[1]			
	Hg - 80-120%R?		$[\underline{\checkmark}]$			
	Cyanide - 85-115%	R?	[]		<u> </u>	
		between a previous technically a ent technically acceptable CCV s	•	CV		
	if the ICV/CCV %R is be Qualify only positive resubetween 111-125%(121- red-line only detects if the recovery is CN). Reject (R) and red-	all detects and non-detects, tween 75-89%(65-79% for Hg; 70 µlts(≥ MDL) as "J" if the ICV/CCV-135% for Hg;116-130% for CN). greater than 125% (135% for Hgline all associated results (hits ar less than 75%(65% for Hg;70%	' %R is Reject (R) a g; 130% for nd non-	•		
	NOTE: For ICV that does not fall within the qualify all samples reported from					
A.1.12.3	Was the distilled ICV or r standard for cyanide with limits (85-115%)?	•	[]		<u> </u>	
	ACTION: If no, Qualify all cyanide i	results ≥ MDL as "J".				

1.1.13 CRQL Standard Analysis - Form IIB

1.1.13.1 For each ICP-AES run, was a CRI

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SOP:	HW-2	Revision 13	Appendix A.1	Se	pt. 2006	
	standa	or MDL when MDL > CRC ard analyzed? (Note:CRI is not required Ca, Fe, Mg, Na and K.)	•	YES	NO N/A	
	(6	For each ICP-MS run, was a CRQL or MDL when MDL > CRC analyzed for each mass/isolor the analysis?	QL) standard	[]		
		For each mercury run, was a standard analyzed?	a CRQL			
		for each cyanide run, was a tandard analyzed?	CRQL	[]		
	If th N N in	CTION: no for any of the above, we have deficiency in the Contraction-Compliance Section of the arrative, inform CLP PO and the affected ranges (detected non-detects UJ.	ct Problems/ the Data Review nd flag results			
! ! !	ICP-AES ICP-MS / Mercury / Cyanide /	cted ranges are: 5 Analysis - *True Value <u>+</u> Ct 6 Analysis - *True Value <u>+</u> Ct 6 Analysis - *True Value <u>+</u> Ct 7 Analysis - *True Value <u>+</u> Ct 8 True value of the CRQL s	RQL RQL RQL	·		
1.13.2	IC' on	as a CRQL standard analy: V/ICB, before the final CCV ce every 20 analytical sam e analytical run for each an	//CCB and ples in	[]	<u> </u>	
	lf n No	TION: no, write in the Contract Pro n-Compliance Section of th ata Review Narrative".			·	
1.13.3	Cir	cle on each Form IIB all pe	rcent			

recoveries that are outside the

acceptance windows.

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SOP:	HW-2 Revision 13	Appendix A.1	Se	pt. 200	6	
	Is the CRQL standard limits for:	within control	YES	<u>no</u> <u>n</u>	/ <u>A</u>	
	Metals(ICP-AES/ICP-N	MS)- 70 - 130%?	$(\angle 1)$	/		
	Mercury- 70 - 130%?		[]			
	Cyanide - 70 - 130%?		[]		1	
	2xCRQL and ICV/CCV	the CRQL standard 0-69%. Flag(J) only be recovery is between the recovery is less than the deline non-detects and deflag (J) detects between f. Reject and red-line only flag (J)detects ≥ 2xCRQL				
		y acceptable analysis of a subsequent acceptable standard only the final T's when Sample the affected ranges is outside the RQL standard must be				
.1.14 <u>l</u> ı	nitial and Continuing Calib	ration Blanks - Form III				
.1.14.1	Present and complete for the instruments used for metals and cyanide and	r the	[_]			
	Was an initial Calibratio analyzed after ICV?	n Blank	[]		Territory and Age	
	Was a continuing Calibranalyzed after every CC 10 samples or every 2 his more frequent?	CV and every	[]			
	Were the ICB & CCB va	alues > MDL but < CRQL d flagged "J" by				

SOP: HW-2	Revision 13	Appendix A	. 1	Se	pt. 20	06
	using MDLs from direct a Method "NP1")? (Check Form III agains			YES []	<u>NO</u> <u>1</u>	<u> </u>
	ACTION: If no, inform CLP PO/TOI in the Contract-Problems, Section of the "Data Revi	Non-Compliance				
A.1.14.2	Circle with red pencil on eall Calib. Blank values that					
	<u>≥</u> M	DL but ≤ CRQL				·
	> CF	RQL				,
	When MDL < CRQL, is ar value ≥ MDL but ≤ CRQL?	-			[_]	
	ACTION: If yes, change sample resibut ≤ CRQL to the CRQL on the CRQL of the CRQL of the contracts.	with a "U".				
	en MDL < CRQL, is any C e > CRQL?	alib. Blank			[]	
 2 b d c	ACTION: f yes, reject (R) and red liressociated sample results but <icb blank="" ccb="" resultetects=""> ICB/CCB blank violation (CB/CCB value). Charesults > MDL but < the CRivith a "U".</icb>	> CRQL it. Flag as "J" alue but nge the sample				
	y Calibration Blank value w the negative CRQL?					
lf a	CTION: yes, flag (J) as estimated ssociated sample results a 10xCRQL.					

NOTE:

^{1.} For ICB that does not meet the technical QC Criteria, apply the action to all samples

compara obstasting efocedate

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SOP: HW-	2 Revision	13	Appendix A.1		Se	pt. 20	06
2. F(ap pre a s	ply the action to all same evious technically accep	et the technical QC crit oples analyzed betweer otable analysis of CCB acceptable analysis of I	and	<u>YE</u> S			<u>N/A</u>
A.1.15	NOTE: The Prepar	Blank - FORM Tation Blank for m the calibration b	ercury				
A.1.15.1	Was one Prepwith and and	paration Blan alyzed for:	k prepared		_		
	Each Sample	Delivery Gro	up (SDG)?	[_]		
	Each batch o digested/dis	of the SDG satistilled?	mples	[_]		•
	Each matrix	type?		[_V	_]		
	All instrume and cyanide	ents used for analyses?	metals	[_1		
	as estimated positive dat	y of the abov (J) all the a <10xMDL for Blank was not	associated which the				
	than 20 samples, analyzed are not	k was analyzed fo then the first 2 estimated(J),but es must be qualif	O samples all			-	
		ed pencil on nk values tha					
	<u>></u> MI	DL but ≤ CRQL	, and				
	> (CRQL			,		
	When MDL < CI value > MDL b		reparation blank	·		[]	
	» CITTON.						

If yes, change sample result > MDL

SOP: HW-	-2 Revision 13	Appendix A.1		Sept.	2006	
			YES	<u>NO</u>	N/A	
	but \leq CRQL to CRQL with \approx	a "U".				
A.1.15.2.	2 When the MDL \leq CRQL, is Blank value greater than	<u> </u>		· [_	<u></u>	
	If yes, is the Prep. Blar greater than the value of Field Blank collected and the SDG samples?	the associated		. [.	<u>/</u>]	
	If yes, is the lowest conthat analyte in the associates than 10 times the Property Blank value?	iated samples		[_		
	ACTION: If yes, reject (R) and re sample results greater th than the Prep.Blank value detects > Prep. Blank val If the sample result > MD it with CRQL-U.	an the CRQL but less . Flag as "J" ue but <10xPrep.Blar	s nk.			
	If the Prep. Blank value analyte value in the Field qualify the sample results Prep. Blank criteria.	d Blank, do not	ne			
	NOTE: Convert soil sample result to mg/K wet weight basis to compare with t Prep. Blank result on Form III.					
1.15.2.3	Is the Prep. Blank concent below the negative CRQL?	cration				
	ACTION: If yes, flag (J) all associant sample results less than 1 Qualify non-detects as est	0xCRQL.				
•	When the MDL is greater the CRQL, is the preparation be concentration on Form III than two times the MDL?	lank		[]	<u> </u>	/

ACTION:

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			YES	NO	N/A		
	If yes, reject (R) and red-line a positive sample results with samp raw data less than 10 times the Preparation Blank value.						
A.1.16	<pre>ICP-AES/ICP-MS Interference Check NOTE:Not required for CN, Hg, Al, Ca, N</pre>		CS)- For	m IV			
A.1.16.1	Present and complete?		[]				
	Was ICS analyzed at the beginning and end of each analytical run, a once for every 20 analytical samp	nd ·	[]	<u></u>			
	Was ICS analyzed at the beginning the ICP-MS analytical run?	of	[]	***************************************	~		
	ACTION: If no, flag as estimated (J) all sample results.						
A.I.16.2	ICP-AES Method						
4.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" values within the control limits of the true/established mean value?	_					
-	If no for any of the above, is the sample concentration of Al, Ca, Fe or Mg in the same units (ug/L or Mgreater than or equal to its respectoncentration in the ICSA Solution Form IV?	e, MG/KG) ective	[]				
	ACTION: If yes, apply the following actionall samples analyzed between a pretechnically acceptable analysis of ICS and a subsequent technically a analysis of the ICS in the analytic	evious . the cceptable					

Flag (J) as estimated only sample results $\geq MDL$

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			YES	. <u>NO</u>	N/A
	for which the ICSA "Found" (True value+CRQL). Do not If the ICSA "Found" value (True value-CRQL), flag nodetects as "J".	qualify non-detects. is less than			
A.1.16.2.	3 ICSAB Solution For ICP-AES, are all analyst ICSAB within the control 1: of the true/established mea	imits of 80-120			
	If no for any of the above, sample concentration of Al, or Mg in the same units (ug greater than or equal to it concentration in the ICSAB Form IV?	, Ca, Fe, g/L or MG/KG) ss respective	[]		<u> </u>
	ACTION: If yes, apply the following all samples analyzed between technically acceptable anal ICS and a subsequent technicallysis of the ICS in the	n a previous ysis of the cally acceptable			
	Flag (J) as estimated those sample results ≥ MDL for wh analyte recovery is greater ≤ 1.50%. If the ICSAB recove 50-79%, qualify sample resuland non-detects as "UJ". Reall sample results (detects which the ICSAB analyte recovery is about and red-line only positive in the sample results.	ich the ICSAB than 120% but ry falls within lts > MDL as "J" ject (R) and red-line & non-detects) for overy is less than ve 150%, reject (R)	·		
.1.16.3	ICP-MS Method				
.1.16.3.1	ICSA Solution: For ICP-MS, are the ICSA "values within the control of the true/established meanaction: If no, apply the following a samples reported from the arms.	limits of ±CRQL n value? action to all	[)		<u>~</u>
	Flag (J) as estimated only s if the ICSA "Found" value is (True value+CRQL). Do not qu If the ICSA "Found" value is (True value-CRQL), flag the detects as "J" and non-detec	s greater than all all all all all all all all all a			

SOP: HW-2	Revision 13	Appendix A.1	S	ept. 2	2006
			YES	NO	N/A
A.1.16.3.3	ICSAB Solution For ICP-MS, are all in ICSAB within the 80-120% of the true value, whichever is	e control limits of e/established mean	[]		<u></u>
		ollowing action to all rom the analytical run:			
	sample results ≥ MI analyte recovery is ≤ 150%. If the ICSA 50-79% flag (J) as sample results ≥ MI those all sample de which the ICSAB ana	ted those associated DL for which the ICSAB s greater than 120% but AB recovery falls within estimated the associated DL. Reject (R) and red-line etects and non-detects for alyte recovery is less than ry is above 150%, reject (R) letects (> MDL).			
		ery: Pre-Digestion/Pre-Disti Ca,Mg,K,and Na(both matrices)			
A.1.17.1	Was Matrix Spike an	alysis performed:			
	For each matrix typ	e?	[]		
:	For each SDG?		[]		
(On one of the SDG s	amples?			
	For each concentration (i.e.,low, med., his		[<u></u>]		
	For each analytical (ICP-AES,ICP-MS, Hg)		[<u>/</u>]		
	las a spiked sample analyzed with the SI		[<u>√</u>] .	·	
∈ £	CTION: f no for any of the stimated (J) all the for which a spiked so that the standard so the standard so the sta	positive data			
I a	OTE: f more than one spiked nalyzed for one SDG, th ssociated data based on	en qualify the			

sample analysis.

SOP: HV	7-2 Revision 13 Ap	pendix A.1	Sept. 2006		
	•		YES	NO N/A	
A.1.17.2	Was a field blank or PE sample for the spiked sample analysis			<u> </u>	
·	ACTION: If yes, flag (J) as estimated data of the associated SDG sam which field blank or PE sample for the spiked sample analysis	ples for was used			
A.1.17.3	Circle on each Form VA all spil recoveries that are outside the control limits (75-125%) that I sample concentrations less that times the added spike concentrations	e nave n four			
	Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.	.	(<u></u>		
	Are results outside the control (75-125%) flagged with Lab Quali on Form I's and Form VA? ACTION: If no for any of the above, writhe Contract - Problems/Non-Composition of the Data Review Narra	fier "N" te in pliance	[]		
1.17.4	Aqueous				
	Are any spike recoveries:			,	
	(a) less than 30%?			() <u></u>	
	(b) between 30-74%?			[]	
	(c) between 126-150%?			[_] _	
	(d) greater than 150%?			[]	
	ACTION: If the matrix spike recovery is 30%, reject (R) and red-line all aqueous data (detects & non-dete between 30-74%, qualify all asso aqueous data > MDL as "J" and no	associated cts). If ciated			

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		.26-150%, flag (J) . If greater than 150%, ne all associated data		<u>NO N/A</u>	
	(NOTE:Replace "N" with	"J", "R" as appropriate.)			
A.1.17.5	Soil/Sediment				
	Are any spike recover	ies:		•	
	(a) less than 10%?			[_]	
	(b) between 10-74%?		_	[]	
	(c) between 126-200%?		/	[]	
	(d) greater than 200%?	Itutus multa unt vajutus	wer _	(
-	ACTION: If yes for any of the as follows:	above, proceed	by notem	al julgment	
a	data \geq MDL as "J" If g (R) and red-line all a	nd red-line all cts & non-detects); .ify all associated non-detects as "UJ"; [lag (J) all associated greater than 200%, rejec			
.1.18	Lab Duplicates) - For	m VI			
.1.18.1	Was the lab duplicate	analysis performed:			
	For each SDG?		[)	<u> </u>	
	On one of the SDG samp	les?	. []	<u> </u>	
	For each matrix type?		[]	_	
	For each concentration (low or med.)?	range	[]	<u> </u>	
	For each analytical Met (ICP-AES/ICP-MS,Hg,CN)U		[]	<u> </u>	
	Was a lab duplicate pro		ן ז	/	

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SOP: HW	-2 Revision 13 Ap	pendix A.1	Se	ept. 2	006 .
			YES	NO	N/A
	ACTION: If no for any of the above, flestimated all the SDG sample reducted a non-detects for whe duplicate analysis was not per	results sich the lab			
	NOTE: If more than one lab duplicate sample were analyzed for an SDG, then qualif the associated samples based on the worst lab duplicate analysis.				
A.1.18.2	Was a Field Blank or PE sample for the Lab Duplicate analysis			[]	_
	ACTION: If yes, flag as estimated (J) a SDG sample results (hits & nonfor which Field Blank or PE saused for duplicate analysis.	-detects)			
A.1.18.3	Circle on each Form VI all valu	1es			
	RPD > 20%, or				
	Absolute Difference > CRQL				
	Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?	• •	[]		_
	If no, are all results outside control limits flagged with an (Lab Qualifier) on Form VI and or all Form I's?	" * "	[]		
	ACTION: If no, write in the Contract-Pro Non-Compliance Section of the Do Review Narrative.				
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.				
.1.18.4	Aqueous				

A.1.18.4.1 When sample and duplicate values are both

 \geq 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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SOP: HW-	2 Revision 13	Appendix A.1		Sept. 20	106	
		·	YES	NO	N/A	
	is any RPD > 20% bu	ut < 100%?		[]		
	is any RPD ≥ 100%?			[]		
	ACTION: If the RPD is > 20% flag (J) as estimat sample data > CRQL. > 100%, reject (R) associated sample d (NOTE:Replace "*" with	ed the associated If the RPD is and red-line the			·	
A.1.18.4.2		MDL for CRQL when MDL >CRQL), ference between sample				
	> ± CRQL?			[]	_	
	> <u>+</u> 2xCRQL?			[]	<u>~</u>	
	and non-detects as "difference is > 2xCR red-line all the ass and detects > MDL but NOTE: 1. Replace "*" with "J", 2. If one value is >CRQL calculate the absolute.	ll the associated b but < 5xCRQL as "J" "UJ". If the absolute RQL, reject (R) and sociated non-detects	CRQL			
.1.18.5	Soil/Sediment					
.1.18.5.1	When sample and dupl are both \geq 5xCRQL (su CRQL when MDL > CRQL),					
	is any RPD ≥ 35% but	< 120%?		· []	_	
	is any RPD ≥ 120%?			[]		
	ACTION: If the RPD is > 35% (I) as estimated the					

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1		Sept: 2	2006
		e RPD is ≥ 120%, reject e associated sample	YES	<u>NO</u>	<u>N/A</u>
A.1.18.5		d/or duplicate value MDL for CRQL when MDL > CRQL) fference between sample			
	$> \pm 2 \times CRQL$?			[]	
	> <u>+</u> 4 x CRQL			[]	_
	flag all the associ but < 5xCRQL as "J" If the absolute dif (R) and red-line al and detects > MDL b NOTE: 1. Replace "*" with "J" 2. If one value is > CRQ calculate the absolu	Eference is > 2 x CRQL, iated sample results > MDL and non-detects as "UJ". Eference is > 4xCRQL, rejected the associated non-detected cout <5xCRQL. The associated non-detected to the associated non-detected to the associated non-detected to the context of the	ect; > CRQL	,	
1.1.19	Field Duplicates				
	Aqueous Field Duplic	cates			
1.19.1	Was an aqueous Field collected and analyz		[]		

ACTION:

(Check Sampling Trip Report)

If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-	-2 Revision 13	Appendix A.1		Sept.	2006
			YES	<u>NO</u>	N/A
	QC criteria state	ed in Sections A.1.19.2 and A.	.1.19.3.		
	 Do not calculate Substitute MDL for If one value is >C non-detect, calculated between the value 	*" from Form I's to Appendix A.4. RPD when both values are non-detects CRQL when MDL > CRQL. RQL and the other value is ate the absolute difference > CRQL and the MDL, and use to qualify the results.			
A.1.19.2	Circle all values for Field Duplica	s on the Form (Appendix A.4) ates that have:			·
	RPD <u>></u> 20% or				
	Difference > ± CR	.ór			
•	-	uplicate values are titute MDL for CRQL when			
	is any RPD ≥ 20%?			[]	1 //
	is any RPD ≥ 100%	?	V	[
	the associated sarresults \geq CRQL. In	% but < 100%, flag (J) only mple and its Field Duplicate f the RPD is \geq 100%, reject(R) the associated sample and itsesult \geq CRQL.			
A.1.19.3	<5xCRQL (substitute	nd/or duplicate value(s) e MDL for CRQL when MDL >CRQL), ifference between sample			
	> ± CRQL?			[]	
	> <u>+</u> 2 x CRQL?			[
	flag detects > MDL	fference is > CRQL, but < 5xCRQL as "J" "UJ". If the difference			·

is > 2xCRQL, reject (R) and red-line non-detects

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1	S	ept. 2	006	
	and results > MDL but < and its Field Duplicate		YES	<u>NO</u>	N/A	-
	Soil/Sediment Field D	Ouplicates				
A.1.19.4	Was a soil field duplic collected and analyzed? (Check Sampling Trip Repo					
	ACTION: If yes, for each soil F pair proceed as follows					
	Field Duplicate results respective Form I's. Calsample and its duplicate than 5xCRQL. Calculate absolute difference when (sample or duplicate) is	x A.4 all sample and its in MG/KG from their loulate and report RPD to values are both greate and report the n at least one value < 5xCRQL. Evaluate the s in accordance with the	when .			
	NOTE: 1. Do not transfer "*" from F 2. Do not calculate RPD when 3. Substitute MDL for CRQL whe 4. If one value is >CRQL and t value is non-detect, calcul absolute difference between value > CRQL and the MDL, a the criteria to qualify the	both values are non-detects. In MDL > CRQL. The other ate the the nd apply		·		
.1.19.5	Circle on each Appendix	A.4 all				
	values that have:	•				
<i>,</i> .	RPD \geq 35%, or Difference When sample and duplicat are both \geq 5xCRQL (substicRQL when MDL > CRQL),	e values				
	is any RPD ≥ 35% but < 1	20%? —		[]	_	
	is any RPD ≥ 12 0%?			[_]		

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ACTION:

If the RPD is \geq 35% but < 120%,

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-	Revision 13	Appendix A.1	S	ept. 2006
			YES	NO N/A
	flag only the associated sa and its Field Duplicate res \geq CRQL as "J". If the RPD i reject (R) and red-line onl and its Field Duplicate res	ults $s \ge 120$ %, y the sample		· `
A.1.19.6	When the sample and/or dupl <5xCRQL (substitute MDL for C is the absolute difference and Field Duplicate:	RQL when MDL > CRQL),		
	.> ± 2 x CRQL?			[]
•	> + 4 x CRQL?			[] <u>w</u> s
	ACTION: If the absolute difference is Sample and its Field Duplica but <5xCRQL as "J" and non-color the difference is >4xCRQL red-line non-detects and detects and detects.	ate resuts <u>></u> MDL detects as "UJ". L, reject(R) and ects <u>></u> MDL but		·
A.1.20	Laboratory Control Sample (I	CS)- Form VII		
1.20.1	Was one LCS prepared and ana	lyzed for:		
	Each SDG?		[]	
	Each matrix type?		()	
	Each batch samples digested/ For each Method(ICP-AES,ICP- used?			
	Was an LCS prepared and anal the samples? ACTION: If no for any of the above, Telephone Record Log and con	prepare tact	<u></u>	
	CLP PO or TOPO for submittal LCS results. Flag (J) as est the data for which an LCS wa analyzed.	imated all		
	NOTE: If only one LCS was analyzed for			

Standard Operating Procedure

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program

Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1		Sept. 2	006
	more than 20 samples, then the fir 20 samples analyzed are not flagge but all additional samples must be qualified (J).	d(J),	YES	<u>NO</u>	N/A
A.1.20.2	Aqueous LCS				
	Circle on each Form VII the recoveries outside control l				
	NOTE: 1.Use digested ICV as LCS for 2.Use distilled ICV as LCS is				
	Is any LCS recovery:		·		
	Less than 50%?			[]	
	Between 50% and 79%?			$[\underline{\angle}]$	
	Between 121% and 150%?			$[\underline{\wedge}]$	
	Greater than 150%?				
	ACTION: If the LCS recovery is less to reject (R) and red-line all a sample data (detects & non-detects as "U") as "J" all non-detects as "U") recovery is between 121-150%, detects as "J". if the recover than 150%, reject (R) and red	ssociated tects); for ag detects ". if the LCS flag only ry is greater			
A.1.20.3	Solid LCS				
	If an analyte's MDL is equal to greater than the true value of disregard the "Action" below for analyte even though the LCS is control limits.	LCS, for that			
	Is the LCS "Found" value great than the Upper Control Limit reported on Form VII?	er			

. ACTION:

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13 A	ppendix A.1	S	ept. 200	6
	If yes, flag (J) all the assodetects \geq MDL as estimated (J		<u>YES</u>	<u>no</u> n	<u>/A</u>
	Is the LCS "Found" value lowe than the Lower Control Limit reported on Form VII?	er		[_]	
·	ACTION: If yes, flag detects as "J" a non-dectes as "UJ".	nd			
A.1.21	ICP-AES/ICP-MS Serial Dilut NOTE:Serial dilution analysis is req when the initial concentration is eq greater than 50 x MDL.	quired only			
A.1.21.1	Was a Serial Dilution analysis performed:	5			
	For each SDG?		[]		
	On one of the SDG samples?		[]		<u>-</u>
	For each matrix type?		[]		·
	For each concentration range (low or med.)?		()		
	Was a Serial Dilution sample analyzed with the SDG samples?		[]		
	ACTION: If no for any of the above, flas estimated (J) detects > MDL all the SDG samples for which ICP Serial Dilution Analysis whot performed.	of the			
	Was a Field Blank or PE sample For the Serial Dilution Analys			(_
	ACTION: If yes, flag as estimated (J) MDL of all the SDG samples	detects			

A.1.21.3 Circle on Form VIII the Percent Differences (%D) between sample results and its dilution results that are outside the control limits \pm 10%

Standard Operating Procedure

USEPA Region 2

Evaluation of Metals Data for the Contract Laboratory Program

Data Assessment and Contract Compliance Review

SOP: HW	-2 Revision 13	Appendix A.1	S	ept. 2	006
			YES	NO	N/A
	when initial concentrations	\geq 50 x MDLs.			
	Are results outside the cont limits flagged with an "E"(I on Form VIII and all Form I'	ab Qualifier)	[]	_	
	ACTION: If no, write in the Contract Non-Compliance Section of the Review Narrative.				
A.1.21.4	Are any %D values:		_		
	> 10%?			[]
	<u>></u> 100%?			/]
	ACTION: If the Percent Difference (% greater than 10%, flag (J) a all associated samples whose if the %D is > 100%, reject all associated samples with :	s estimated raw data > MDL; (R) and red-line			
	(NOTE:Replace "E" with "J" or ".	R" as appropriate.)			
A.1.22	Total/Dissolved or Inorganic,	Total Analytes			
4.1.22.1	Were any analyses performed for dissolved as well as total are on the same sample(s)? Were any analyses performed for inorganic as well as total are on the same sample(s)?	alytes For			
	ACTION: If yes, prepare a Form (Appento compare the differences be dissolved (or inorganic) and tanalyte concentrations. Compudifference on Appendix A.5 as of the total analyte only whe the following conditions are	tween otal te each a percent n both of			
	(1) The dissolved(or inorganistis greater than total concent(2) greater than or equal to !	tration, and			
.1.22.2	Is any dissolved (or inorganic concentration greater than its total concentration by more than its property of the concentration of the	3		[)	/

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2	Revision 13	Appendix A.1	Se	ept. 2006
			YES	NO N/A
A.1.22.3	Is any dissolved (or inorgoncentration greater that total concentration by mo	an its		
	ACTION: If the percent difference than 20%, flag (J) both dand total concentrations the difference is more thand red-line both the value.	dissolved/inorganic as estimated. If nan 50%, reject (R)		
A.1.23	Field Blank - Form I NOTE: Designate "Field Blan	nk" as such on Form I		
	Was a Field/Rinsate Bank and analyzed with the SDG		[_]	
	If yes, is any Field/Rins absolute value of an anal greater than its CRQL(or 2	yte on Form I		
	If yes, circle the Field on Form I that is greater CRQL,(or 2 x MDL when MDL > CF	than the		•
	Is any Field Blank value of than CRQL also greater the Preparation Blank value?			
ā	If yes, is the Field Bland (> CRQL and > the prep. baland already rejected due to otheritaria?	lank value)	[]	

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result > MDL but < CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13 I	Appendix A.l	Se	ept. 2	006
	Prep.Blank value, do not qua results due to the Field Bla		YES	<u>NO</u>	<u>N/A</u>
	NOTE: 1. Field Blank result previously reduce to other criteria cannot be qualify field samples. 2. Do not use Rinsate Blank associations to qualify water samples a	used to			
A.1.24	Verification of Instrumental	Parameters - Form	n IX, XA,	XB, XI	
A.1.24.1	Is verification report presen	nt for:			
	Method Detection Limits (Form	m IX-Annually)?			
	ICP-AES Interelement Corrects (Form XA & XB -Quarterly)?	ion Factors			
	ICP-AES & ICP-MS Linear Range (Form XI-Quarterly)?	es	[]		
	ACTION: If no, contact CLP PO/TOPO for submittal from the laboratory				
1.24.2	Method Detection Limits - Form	IX			
.1.24.2.1	Are MDLs present on Form IX f	or:			
	All the analytes?		[<u>V</u>]		
	All the instruments used?		[]		
	Digested and undigested samples and Calib.Blanks?		[]		
	ICP-AES and ICP-MS when both instruments are used for the same analyte?		[]		_
	ACTION: If no for any of the above, pr Telephone Record Log and conta PO/TOPO for submittal of the M the laboratory. Report to CLP write in the Contract Problems	ct CLP DLs from PO and	·		

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Non-Compliance Section of the Data Review Narrative if the MDL concentration is not

less than ½ CRQL.

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-	2 Revision 13	Appendix A.1	Se	ept. 2006
A.1.24.2.	2 Is MDL greater than the for any analyte?	e CRQL	YES	<u>NO</u> <u>N/A</u>
	If yes, is the analyte on Form I greater than the sample analyzed on whose MDL exceeds CRQL?	5 x MDL for the instrument	()	
	ACTION: If no, flag as estimate values less than five the analyte whose MDL e	imes MDL for		
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result h the high linear range f or ICP-MS?			
	Was any sample result h the highest calibration for mercury or cyanide?			
	If yes for any of the all the sample diluted to of result reported on Form	btain the	[]	
	ACTION: If no, flag (J) as estimaffected detects (> MDL) on Form I.			
1.1.25	ICP-MS Tune Analysis -	Form XIV		
.1.25.1	Was the ICP-MS instrumer tuned prior to calibrati		[]	
	ACTION: If no, reject (R) and re sample data for which tu performed.			
	Was the tuning solution or scanned at least five consecutively?		[]	
	Were all the required is spanning the analytical present in the tuning so	range	[]	
Ţ	Was the mass resolution	within		•

SOP: HW-	2 Revision 13 A	ppendix A.l	<u>S</u>	ept. 2006
<u> </u>			YES NO	
0.l amu :	for each isotope in the tuning solution?		· .	
	Was %RSD less than 5% for isotope of each analyte i tuning solution?		[J .	
	ACTION: If no for any of the abov all results > MDL associated "J", and associated with that Tune	ted with that d all non-detects		
A.1.26	ICP-MS Internal Standards	- Form XV		
A.1.26.1	Were the Internal Standard to all the samples and all samples and calibration st (except the Tuning Solution	QC andards	[]	
	Were all the target analytemasses bracketed by the masof the five internal stand	sses	[<u>·</u>]	
	ACTION: If none of the Internal St added to the samples, reje red-line all the associate (detects & non-detects). I standards were used but di the analyte masses, reject only the analyte results n the internal standard mass	ct (R) and d sample data f internal d not cover all (R) and red-line ot bracketed by		
1.1.26.2	Was the intensity of an Instandard in each sample wis of the intensity of the sam Standard in the calibration	thin 60-125% me Internal	() .	
	If no, was the original san two fold, Internal Standard sample re-analyzed?		(}	
	Was the %RI for the two folwithin the acceptance limit		[]	
	ACTION: If no for any of the above, as "J" and non-detects "UJ" analytes with atomic masse	of all the		

atomic mass of the internal standard lighter

SOP: HW-2	Revision :	<u> 13 </u>	Appendix A.2	Ser	ot. 2006
than the	atomic ma	ss of the i	dard, and the	neavier	
	than the	affected in	ternal standard.		
A.1.27	Percent S	olids of Se	diments		
A.1.27.1	Are perce	nt solids i	n sediment(s):		
	< 50%?				
	non-detec	ts of a samp	stimated (J) all d ple that has perce isture content great	nt solids	
	that were no	y the sample r ot previously c QC criteria.			
	٠	·			
Inorgani	c Data R	eview Nar	rative		
ase#	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sit	te:	Matrix: Soil	
DG#	<u> </u>	La	b:	Water	
ampling To	eam:	R	eviewer:	Other	
The				in red by the data	validator and must
J -		This flag i	ndicates the resu	lt qualified as es	timated
R and	Red-Line -	The red-li	ned data are know		ates unusable value. icant errors based o the data user.
υ -			validation qualifi associated blank	er is applied to s is contaminated	ample results
Fully	Usable Data	- The r usabl		t carry "J" or "red	d-line" are fully
	atory Qual		a contractual qua	lifier on all	

Glen Isle, NYSDEC, Project Number: RWI1401

Site:

Glen Isle

Laboratory:

Test America Buffalo, NY

Report No.:

480-53297-2

Reviewer:

Christina Rink and Josephine Go /Laboratory Data Consultants for RXR

Glen Isle Partners, LLC

Date:

March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-001 (0-2')** LT-C-001 (4-6') LT-C-001 (6-8') LT-XC-004 (0-2') LT-XC-004 (2-4') LT-XC-004 (8-10')	480-53297-1 480-53297-2 480-53297-3 480-53297-4 480-53297-5 480-53297-6	PCBs PCBs PCBs PCBs PCBs PCBs

Associated QC Samples(s):

Field/Trip Blanks:

None Associated

Field Duplicate pair:

None Associated

The above-listed soil samples were collected on January 13, 2014 and were analyzed for polychlorinated biphenyls by SW-846 method 8082A. The data validation was performed in accordance with the USEPA Region II Functional Guidelines for Evaluating Organic Analyses (September 2006) and the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01 (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Glen Isle, NYSDEC, Project Number: RWI1401

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Initial and Continuing Calibrations

All criteria were met. Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met

MS/MSD Results

MS/MSD analyses were not performed for the PCBs analyses.

LCS Results

All criteria were met.

Glen Isle, NYSDEC, Project Number: RWI1401

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL).

Dilutions were not required for PCBs analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445E3b VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-53297-2

Cat A/Cat B

	ate:_3	<u>3/20</u>	<u>/\</u> 2
Pa	ige:	_of	1
Revie	wer:_	NU	
2nd Revie	wer:_	or	

Laboratory: Test America, Inc.

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

<u> </u>	Validation Area		Comments
l.	Technical holding times	A	Sampling dates: 1/13/14
II.	GC Instrument Performance Check	\(\mathcal{U}\)	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. 76 RSD £ 20 2
IV.	Continuing calibration/ICV	A	Not reviewed for Cat A review. CON & 26 %
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	cS
VIII.	Laboratory control samples	A	ICS
IX.	Regional quality assurance and quality control	N	
Χ.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	A	Not reviewed for Cat A review.
XIV.	Overall assessment of data	A	
XV.	Field duplicates	7	
XVI.	Field blanks	7	

Note:

A = Acceptable

N = Not provided/applicable SW = See worksheet ND = No compounds detected

R = Rinsate FB = Field blank D = Duplicate TB = Trip blank

EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

	Soil					
1	LT-C-001 (0-2')	11	Mg 480- 167538/1	A 1	31	
2	LT-C-001 (4-6')	12	, ,	22	32	
3-	LT-C-001 (6-8')	13		23	33	
4	LT-XC-004 (0-2')	14		24	34	
5	LT-XC-004 (2-4')	15		25	 35	
6-	LT-XC-004 (8-10')	16		26	 36	
7		17		27	 37	
8		18		28	 38	
9		19		29	39	
10		20		30	40	

Notes: Pre Acts	: 2/25/w		

LDC #: 31445E3b

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

Page: _1_ of _1_ Reviewer: __JVG___ 2nd Reviewer: _____

METHOD: GC PCBs (EPA SW 846 Method 8082A)

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C

Where:

average CF = sum of the CF/number of standards

A = Area of compound

S = Standard deviation of calibration factors

%RSD = 100 * (S/X)

C = Concentration of compound

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (1.0 std)	Recalculated CF (1.0 std)	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	12/3/2013	1260-1 (Chan A)	581146.0	581146.0	599004.6	599004.6	8.8	8.8
	HP6890-7		1260-1 (Chan B)	1165805.0	1113465.0	1161077.4	1161077.4	4.3	4.3

LDC # <u>31445E3b</u>

VALIDATION FINDINGS WORKSHEET <u>Continuing Calibration Results Verification</u>

METHOD: GC PCBs (EPA SW 846 Method 8082A)

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = 100 * (N - C)/N

Where: N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Com	pound	Conc	Reported Conc (CCV)	Recalculated Conc (CCV)	Reported % D	Recalculated %D
1	7_317_095	2/26/2014	1260-1	(Chan A)	0.5000	0.4614	0.4614	7.7	7.7
			1260-1	(Chan B)	0.5000	0.4475	0.4475	10	10
2	7_317_107	2/26/2014	1260-1	(Chan A)	0.5000	0.4660	0.4660	6.8	6.8
			1260-1	(Chan B)	0.5000	0.4563	0.4563	8.7	8.7

LDC# 31445 E36

VALIDATION FINDINGS WORKSHEET <u>Surrogate Results Verification</u>

Page:	1	_of_	1_
Reviewer:		JV	<u> </u>
2nd reviewer:		<u> </u>	_

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the following calculated for the compounds identified below using the calculated for the compounds identified below using the calculated for the calculated

% Recovery: SF/SS * 100

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: #

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	ZB-5	8.02	0.0249	125	17	9
Decachlorobiphenyl	1	1	0.0225	112	11~	1
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene					_	
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:	, , , , , , , , , , , , , , , , , , ,	······································

LDC #: 31445 E3b

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Page: 1 of 1 Reviewer: JVG 2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration SA = Spike added

SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: VS 480 - 167538/2-A

	s	pike	Spike	d Sample	L	cs	LC	CSD	LCS	/LCSD
Compound		dded () /k <u>k</u>)	Conce	entration	Percent	Recovery	Percent	Recovery	R	RPD .
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC										
4,4'-DDT										
Aroclor 1260	2.14	M	2.88	NA	125	35				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported
results do not agree within 10.0% of the recalculated results.

LDC #: 31445 F36

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page:	<u>1</u> of <u>1</u>
Reviewer:	JVG_
2nd reviewer:	a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

	Y	Ν	N/A
		Ŋ	N/A
\	7		

Were all reported results recalculated and verified for all level IV samples?
Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:	
Sample I.D. 1266-1 Conc. = $\frac{(443614)}{(59004)}$))
= 0.7406	
1260 Total = 0.	7406 + 0.7016 + 0.6568 + 0.5948
= 0-1	4 6 73 5
final cone. =	(0.6735) (10 ml) (2.34 g)
1	2.878
~~	2.88 mg As

		,	Reported Concentration	Calculated Concentration	
#	Sample ID	Compound	(ms/kg)	()	Qualification
			2.88		

Note:_	 	 		 	 	 	
		 	_		 	 	

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Yes NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE	NUMBI	ER:_	31445 E	3b	SDG#	486-	53297-2	
LAB:_	Te	?st	America	Buffalo	SITE:	Glen	Isle	
1.0	<u>Data</u>	Com	pleteness	s and Deliver	ables			
	1.1		all the iverable	data been sul format?	omitted in	n CLP		14
	1.2		_	ssing delivers o the data pa		n recei	ived	
	ACTIO	ON:	missing them, r	ab for expland g deliverable note the effec- reviewer nar	s. If lab ct on revi	canno	ot provide	
2.0	Cove	r Le	tter, SDC	<u> Narrative</u>				
	2.1		a laborat sent?	cory narrative	e or cover	lette	er	<u> </u>
	2.2			number and/or		conta	ined	<u> </u>
3.0	<u>Data</u>	Vali	dation Ch	<u>ecklist</u>				
	3.1	Doe	s this dat	ca package cont	cain:			
		Wate	er data?					
		Was	te data?					
		Soi	l/solid da		INATED BIP	HENYLS		
1.0	<u>Traff</u>	ic R	Reports an	d Laboratory N	<u>arrative</u>			
	1.1			report and char all samples?	in-of-custo	ody for	ms	

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Yes NO N/A

_ [.] _

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, non detects shall be qualified as unusable, "R."

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any PCB technical holding times, determined from date of collection to date of extraction, been exceeded? (% #T)

Water and waste samples for PCB analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: If technical holding times are exceeded, flag all positive results as estimated, "J," and sample quantitation limits "UJ" and document in the narrative that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all the data should at least be

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Yes NO N/A

qualified "J", but the reviewer may determine that non-detects are unusable, "R." (Table 1)

Table 1. Holding Time Criteria

	_	_	Action			
Matrix	Preserved	Criteria	Detected compounds	Non-detected compounds		
	ИО	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	J*	บี่ว*		
	No	> 7 days(extraction) > 40 days(analysis)	J	UJ		
Aqueous	Yes	<pre>≤ 7 days(extraction) ≤ 40 days(analysis)</pre>	No qualification			
	Yes	> 7 days(extraction) > 40 days(analysis)	J .	ŪJ		
	Yes/No	> 28 days (gross exceedance)	J	R		
	No	<pre></pre>	*ل	UJ*		
	No	> 14days(extraction) >40 days(analysis)	J	UJ		
Non-aqueous	Yes	<pre>≤ 14days(extraction) ≤ 40 days(analysis)</pre>	No qualification			
	Yes	> 14days(extraction) > 40 days(analysis)	J	UJ		
	Yes/No	> 28 days(gross exceedance)	J	R		

^{*} only if cooler temperature exceeds $10\,^{\circ}\text{C}$; no action required if cooler temperature < $10\,^{\circ}\text{C}$.

3.0 <u>Surrogate Recovery (Form II/Equivalent)</u>

- 3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?
 - a. Water/Waste

rı	
	 /-

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b. Soil/Solid

Yes NO N/A

3.2 Are all the PCB samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water

_1 __ _

b. Waste

c. Soil/Solid

ACTION:

Call lab for explanation/resubmittals.

If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

Note:

Reviewer shall use lab in-house recovery limits, if available. In-house criteria should be examined for reasonableness.

ACTION:

Circle all outliers in red. Follow surrogate criteria, Table 2.

Note:

DCB is used when PCBs are determined as Aroclors. DCB is the internal standard when determining PCB congeners and TCMX the surrogate.

3.4 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

ACTION:

Follow surrogate criteria, Table 2.

Table 2. Surrogate Recovery Criteria

	Action				
Criteria	Detected Target Compounds	Non-detected Target Compounds			
%R > 200%	J	Use professional judgement			

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Yes NO N/A

150% < %R <u><</u> 200%	J	No qualification
30% <u><</u> %R <u><</u> 150%	No quali	fication
10% <u><</u> %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professio	nal judgement
RT out of RT window	Use professio	nal judgement
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

ACTION:

If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 <u>Laboratory Control Sample (LCS)</u>

4.1 Are raw data and percent recoveries present for all <u>Laboratory Control</u> samples as required by Method 8000B (section 8.5) and Method 8082A (section 8.4.2)?

Verify that QC check samples were extracted and analyzed by the same procedures used for the actual samples.

ACTION: If any <u>Laboratory Control Sample</u> data are missing, call the lab for explanation/ resubmittals. Make note in the data assessment.

NOTE: For aqueous samples, an additional QC check sample must be prepared and analyzed when any analyte in a matrix spike fails the required acceptance criteria (see section 5.3 below).

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Yes NO N/A

The additional QC check sample must contain each analyte that failed in the MS analysis.

Note: When the results for matrix spike analysis indicates a problem due to sample matrix effects, the LCS results are used to verify the laboratory can perform the analysis in a clean sample.

4.2 Were <u>Laboratory Control</u> <u>Samples</u> analyzed at the required concentration as specified in Method 8000B(sec 8.5) for all analytes as specified in Table 3.

Note: Use lab in-house criteria, if available.

ACTION: If <u>Laboratory Control Samples</u> were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Were the LCS recoveries within the percent recoveries as specified in Table 3. | Ab | Imits.

Table 3. LCS Criteria

Compound	% Recovery
Aroclor 1016	50-150
Aroclor 1260	50-150
Tetrachloro-m-xylene (surrogate)	30-150
decachlorobiphenyl (surrogate)	30-150

4.4 If no, were Laboratory Control Samples re-analyzed?

гэ	

ACTION: If QC check samples were not re-analyzed, or a general system problem is indicated by repeated failure to meet the QC acceptance criteria specified in the method, make note in the data assessment and use Table 4 recovery actions criteria.

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Yes NO N/A

Table 4. LCS Recovery Actions

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R > Upper Acceptance Limit	J	No qualification	
%R < Lower Acceptance Limit	J	R	
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	e No qualifications		

5.0	Matrix	Spikes	(Form	III	/Equ	ivalent)	

5.1	Are all data for one matrix spike and matrix duplicate	
	(unspiked) pair (MS/Dup) or matrix spike/matric spike	
	duplicate (MS/MSD) present and complete for each matrix	
	(Method 8082A Section 8.4.1)? []	

NOTE: For soil and waste samples showing detectable amounts of target analytes, the lab may substitute replicate samples in place of the matrix spike (see Method 8000B-40, section 8.5.3).

5.2 Have MS/Dup or MS/MSD results been summarized on modified CLP Form III?

ACTION: If any data are missing take action as specified in section 3.2 above.

- 5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/Dup, MS/MSD must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month (Method 8000B-39 (section 8.5)).
 - a. Water

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Yes NO N/A

c. Soil/Solid

ACTION: If any MS/Dup or MS/MSD data are missing,

take the action specified in 3.2 above.

5.4 Were Laboratory Control Samples analyzed for all analytes as specified in Table 5, or did the lab use the optional QC acceptance criteria i.e., in-house criteria?



List the criteria used and make note in data assessment.

Criteria used

Table 5. MS/MSD Criteria

Compound	Percent Recovery QC Limits	RPD
Aroclor 1016	29-135	0-15
Aroclor 1260	29-135	0-20

5.5 Was the matrix spike prepared at the proper spike concentration? (Method 8000B, section 8.5.1-8.5.2)

[]	

For aqueous organic extractable, the spike concentration should be prepared according options in: Method 8000B-40, (section 8.5.1 and 8.5.2).

S.6 Were the matrix spike and matrix spike duplicate recovery and RPD limits met as specified in Table 5. Note: No qualification of the data is necessary on MS and MSD data alone. Use professional judgement to use the MS and MSD results in conjunction with other QC criteria to determine the need for some qualification of the data. If any MS and MSD, percent recovery, or RPD results in the Arcolor fraction is out of specification (Table 5), qualify data to include the consideration of the existence interference in the raw data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples. Use professional judgement to determine the need for qualifications of detects of non-spiked compounds.

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Yes NO N/A

└ _ _/

Table 6. MS/MSD Actions for Analysis

Criteria	Action		
	Detected Associated Compounds	Non-Detected Compounds	
%R or RPD > Upper Acceptance Limit	J	No qualification	
20% < %R < Lower Acceptance Limit	J	UJ	
%R < 20%	J J. J	Use professional judgement	
Lower Acceptance Limit < %R < Upper Acceptance Limit	No qualif	fications	

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on CLP equivalent Method Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

Note:

Method blank should be analyzed, either after the calibration standard or at any time during the analytical shift.

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing

substitute field blank data for mi

method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system

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Yes NO N/A

printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for PCBs?

7.0 Contamination

NOTE:

"Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other OC blanks discussed below.

- 7.1 Do any method/instrument/reagent/cleanup blanks have positive results for PCBs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

7.2 Do any field/rinse blanks have positive PCB results?

Prepare a list of the samples associated with ACTION: each of the contaminated blanks. (Attach a

separate sheet.)

NOTE:

All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate,

or calibration QC problems.

ACTION:

Follow the directions in Table 7 below to qualify sample results due to contamination. Use the largest value from all the associated

blanks.

Table 7. Blank Contamination Criteria

ı				
	Blank Type	Blank Result	Sample Result	Action for Samples

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Yes NO N/A

	Detects	Not detected	No qualification			
		< CRQL	Report CRQL value with a U			
	< CRQL	≥ CRQL	No qualification			
		< CRQL	Report CRQL value with a U			
Method, Clean up, Instrument,	> CRQL	<pre></pre>	Report the concentration for the sample with a U			
Field		≥ CRQL and ≥ blank contamination	No qualification			
		< CRQL	Report CRQL value with a U			
	= CRQL	≥ CRQL	No qualification			
	Gross contamination	Detects	Qualify results as unusable R			

Note: Analytes qualified "U" for blank contamination

are treated as "hits" when qualifying for calibration

criteria.

Note: When applied as described in Table 7 above, the contaminant concentration in the blank is multiplied

by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

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				Yes NO N/A
3.0			natography with Electron Capture Detector (GC, nce Check (CLP Form VI and Form VII Equivalent	
	8.1		the proper gas chromatographic capillary colu	ımı
	Acti	on:	Check raw data, instrument logs, or contact lab to determine what type of columns were used. (Method 8082, section 4.2)	the
	8.2	wide	cate the specific type of narrow bore or bore (.53 mm ID, fused silica GC columns, as DB-608 and DB-1701 or equivalent).	
		colu	mn 1:	<u> </u>
		colu	mn 2:	
	ACTI	ON:	Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.	
9.0	<u>Cali</u>	brati	on and GC Performance	
	9.1	Syst	the following Gas Chromatograms and Data ems Printouts for both columns present all samples, blanks, MS, replicates?	
		a.	Samples	<u></u>
		b.	All blanks	
		c.	Matrix spike samples	□ ∠.
		d.	5 pt. initial calibration standards	<u> </u>
		e.	calibration verification standards	<u> </u>
		f.	Laboratory Control samples (LCS)	<u> </u>
	ACTI	ON:	If no, take action specified in 3.2 above.	
	9.2		data summary forms (containing calibration ors or response factors) for the initial 5	

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Yes NO N/A

pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence?

1/2 __ _

Note: Calibration Aroclor mixtures other than 1016/1260 may be used (as per approved project QA plan)

NOTE: If internal standard calibration procedure is used (Method 8000B-15(section 7.4.2.2)), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (Method 8000B-16 (section 7.4.2.1)), then calibration factors must be used. The internal standard approach is highly recommended for PCB congener analysis.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals.

Make necessary corrections and note any problems in the data assessment.

9.3 Are there any transcription/calculation errors between raw data and data summary forms?

__ 14__

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.4 Are standard retention time (RT) windows for each PCB peak of interest presented on modified CLP summary forms?

11__

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals.

Note any problems in the data assessment.

NOTE: Retention time windows for all PCBs are established using retention times from three calibration standards analyzed during the entire analytical sequence (Method 8000B, section 7.6). Best results are obtained

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Yes NO N/A

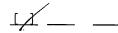
using retention times which span the entire sequence; i.e., using the calibration verification/continuing calibration standards analyzed every 12 hours.

9.5 Were RT windows on the confirmation column established using three standards as described above?

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.4 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.6 Do all standard retention times in each level of the initial 5 pt. calibrations for PCBs fall within the windows established during the initial calibration sequence?



- ACTION i: If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standard spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows may be too tight. If so, RT windows should be recalculated as per Method 8081B-15 (section 7.4.6).
 - ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

9.7 Has the linearity criteria for the initial calibration standards been satisfied for both

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Yes NO N/A

columns? (% RSD for the calibration factors (CFs) for the three to five major peaks of each of the Aroclor compounds must be < 20.0%).

ACTION: If no, follow Table 8 criteria.

Table 8. Initial Calibration CF Action for Aroclor Analysis

Criteria	Action						
Criteria	Detected Associated Compounds	Non-Detected Associated Compounds					
% RSD > 20%	J	UJ					
% RSD within allowable limits	No quali	fications					

- 9.8 Does the calibration verification/continuing calibration standard contain the PCB peaks of interest, analyzed on each working day, prior to sample analyses (Method 8082, sections 7.6.2)?
- 9.9 Has a calibration verification/continuing calibration standard been analyzed after every 10 samples and at the end of each analytical sequence (Method 8082A, section 7.6.2).

ACTION: If no, take action as specified in section 3.2 above.

- 9.10 Has the percent difference (%D) between the Calibration Factor (CF) of each of the three to five peaks used to identify the Aroclor in the CCV and the CF from these peaks in the initial calibration exceeded ± 15%. 20%
- _ 1/_
- 9.11 Has a new 5 pt. initial calibration curve been generated for those PCB analytes which failed in the calibration verification/continuing calibration standard (8000B, section 7.7.3), and all samples which followed the out-of-control

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Yes NO N/A

ACTION: If the %D for any analyte exceeded the ± 15% criterion and the instrument was not recalibrated for those analytes, qualify positive results for all associated samples (those which followed the out-of-control standard) "J" and sample quantitation limits "UJ". (see Table 9)

9.12 Have retention time (RT) windows been properly calculated for each analyte of interest (Method 8000B, section 7.6), using RTs from the associated calibration verification/continuing standard?

ACTION: If no, take action specified in section 3.2 above

- 9.13 Do all standard retention times for each calibration verification/continuing calibration standard fall within the windows established during the initial calibration sequence?
- 9.14 Do all standard retention times for each midconcentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows.

ACTION: For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use paragraph B below. If the answer to either 9.13 or 9.14 above is no, check the chromatograms of all samples which followed the last in-control standard. If samples were not re-analyzed, all samples analyzed after the last in-control standard must be evaluated using professional judgement.

(A) For non-detected target compounds, check to see if the sample chromatograms contain any peaks that are close to the expected RT window of the Arcolor of interest. If no peaks are present, no qualification of data is necessary. If peaks are present close th RT window of the Arcolor of interest, qualify the non-detected values as presumptively present "N".

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Yes NO N/A

- (B) For detected compounds in the affected samples, if peaks within the RT window, no qualification necessary. If peaks are close to the expected RT window of the Aroclor of interest, the reviewer can examine the data package for the presence of three or more standards the Aroclor of interest that were run within the analytical sequence during which the sample was analyzed. If three or more such standards are present, the RT window can be reevaluated using the Mean Retention Times of the standards. If the peaks in the affectd sample fall within the revised window, qualify the detected target compounds "NJ". If the reviewer cannot do anything with the data to resolve the problem of concern, qualify all non-detects as unusable "R". (Table 9)
- 9.15 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence sequence (closing CCV). (Table 9)

Table 9. CCV Criteria

Criteria	Action							
	Detected Associated Non-Detected Associated Compounds							
RT out of RT window	Use professional j	udgement (Sec 9.14)						
%D not within +/- 15%	J	UJ						
Time elapsed greater than section 9.15 criteria.		R						
%D, time elapsed, RT are all within acceptable limits.	No quali	fications						

9.16 Are there any transcription/calculation errors between raw data and data summary forms?

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Γ <i>γ</i>	
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ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0

Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column?

/	
r /2	

	USEPA Reg SW846 Met		II 8082A PCB		tober 2006 5, Rev.1.0
	ACTION:	Tf ·	no, take action specified in 3.2		Yes NO N/A
	10.2 Was	the j	proper analytical sequence follow initial calibration and subseque	wed	14
	ACTION:	dete data the was	no, use professional judgement to ermine the severity of the effect a and qualify it accordingly. Go effect is negligible unless the grossly altered or the calibrate out of limits.	t on the enerally, sequence	
			TCMX/DCB surrogate RTs for the surrogate RT from the initial ca		
	Action:	If :	no, see "Action" in section 9.14	above	
11.0	Extraction	on Te	chniques for Sample Preparation		
		sed f	permits a variety of extraction or sample preparation. Check who s used?		
	1.	Aque	ous samples:		
		1.	Separatory funnel (Method 3510)		
		2.	Continuous liquid-liquid extrac (Method 3520)	tion	Ц
		3.	Solid phase extraction (Method :	3535)	
		4.	Other		<u> </u>
	2.	Soli	d samples:		
		1.	Soxhlet (Method 3540)		<u> </u>
		2.	Automated Soxhlet (Method 3541)		
		3.	Pressurized fluid (Method 3545)		<u> </u>
		4.	Microwave extraction (Method 35	46)	<u> </u>
		5.	Ultrasonic extraction (Method 3	550)	

USEPA Region II Date: October 2006 SW846 Method 8082A PCB SOP HW-45, Rev.1.0 Yes NO N/A 6. Supercritical fluid (Method 3562) 7. Other 11.1 Extract Cleanup - Efficiency Verification (Form IX/Equivalent) Method 8082 (section 7.2) references method 11.1.1 3660 (sulfur) and 3665A (sulfuric acid) to use for cleaning extracts. Were one or both method used? ACTION: If no, take action specified in 3.2 above. If data suggests cleanup was not performed, make note in the data assessment. Method 3620A, Florisil, may be used per NOTE: approved project QA plan. The method does list which analytes and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct PCB list. If not stated or available, use the CLP listing or accept what the laboratory used. 11.2 Are all samples listed on modified CLP PCBs Florisil/Cartridge Check Form? If no, take action specified in 3.2 above. ACTION: 11.3 Was GPC Cleanup (method 3640A) performed? GPC cleanup is not required and is optional. NOTE: The reviewer should check Project Plan to verify requirement. 11.4 Were the same PCB analytes used in calibration used to check the efficiency of the cleanup procedures? 11.5 Are percent recoveries (% R) of the PCBs and surrogate compounds used to check the efficiency of the cleanup procedures within lab's in-house QC limits (use 70-130% if not available).

Date: October 2006 SOP HW-45, Rev.1.0

Yes NO N/A

70-130% for GPC calibration?

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 70%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for PCBs. Use professional judgement to qualify positive results if recoveries are greater than the upper limit.

12.0 PCB Identification

12.1 Has CLP Form X or equivalent, showing retention time data for positive results on the two GC columns, been completed for every sample in which a PCB was detected?

(A! ND)

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and cleanup verification forms)?

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both columns/analyses?

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate

quantitation limit.

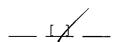
-PCB 24 -

Date: October 2006 SOP HW-45, Rev.1.0

Yes NO N/A

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently.

Were there any false negatives?



ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation provided when sample concentration was sufficient (> 10 ug/ml) in the final extract?

ACTION: Indicate with red pencil which Form I results were confirmed by GC/MS and also note in data assessment. GC/MS confirmation is an option, see section 7.10 of Method 8082A-20. If GC/MS confirmation is not available, follow action in section 3.2.

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%?

NOTE: The method requires quantitation from one column. The second column is to confirm the presence of an analyte. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Difference

Qualifier

Date: October 2006 SOP HW-45, Rev.1.0

Yes NO N/A

0-25%		none
26-70%		"ד"
71-100%		" UU "
101-200%	(No Interference)	"R"
101-200%	(Interference detected)	" UN "
>50%	(PCBs value is <crql)< td=""><td>пДп</td></crql)<>	пДп
>200%		"R"

Note:

The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that he higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

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NOTE:

Single-peak PCBs results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

ACTION:

If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

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Yes NO N/A

ACTION:

When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION:

EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

ACTION:

Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for PCB analysis?

ACTION:

Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION:

Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made

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Yes NO N/A

to determine the proper identification of field duplicates.

Glen Isle - LDC# 31445

SDG: 480532972

Analytical Method SW	8082A											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675381A	4801675381A	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
4801675381A	4801675381A	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.21	0.097	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		υ	0.21	0.097	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U .	0.21	0.041	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.20	0.094	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.20	0.094	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.18	0.086	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.18	0.086	mg/kg

Comple ID	Lab Cample ID	Obemical Name	Anal Data Dago	H Donont	Detect	Lab Oual Ve	d Augh Timel augh	DI	Mani	Units
Sample ID	Lab Sample D	Chemical Name	Anal Date Resi	lt Report	Detect	Lau Quai Va	ol Qual Final qual	RL	MDL	UNLS_
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1248 (AROCLOR 1248)	2/26/2014	Yes	N	U	U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297 - 3	PCB-1242 (AROCLOR 1242)	2/26/2014	Yes	N	U	U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1232 (AROCLOR 1232)	2/26/2014	Yes	N	U	U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1221 (AROCLOR 1221)	2/26/2014	Yes	N	U	U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1016 (AROCLOR 1016)	2/26/2014	Yes	N	U	U	0.18	0.036	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1242 (AROCLOR 1242)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1232 (AROCLOR 1232)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1260 (AROCLOR 1260)	2/26/2014	Yes	N	U	U	0.23	0.11	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1248 (AROCLOR 1248)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1016 (AROCLOR 1016)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1221 (AROCLOR 1221)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1254 (AROCLOR 1254)	2/26/2014	Yes	N	U	U	0.23	0.11	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1260 (AROCLOR 1260)	2/26/2014	Yes	N	U	U	0.23	0.11	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1016 (AROCLOR 1016)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1254 (AROCLOR 1254)	2/26/2014	Yes	N	U	U	0.23	0.11	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1248 (AROCLOR 1248)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1242 (AROCLOR 1242)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1221 (AROCLOR 1221)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (2-4'-20140113	480-53297-5	PCB-1232 (AROCLOR 1232)	2/26/2014	Yes	N	U	U	0.23	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1232 (AROCLOR 1232)	2/26/2014	Yes	N	U	U	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1016 (AROCLOR 1016)	2/26/2014	Yes	N	U	U	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1221 (AROCLOR 1221)	2/26/2014	Yes	N	U	υ	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1260 (AROCLOR 1260)	2/26/2014	Yes	N	U	U	0.22	0.11	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1254 (AROCLOR 1254)	2/26/2014	Yes	N	U	U	0.22	0.11	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1242 (AROCLOR 1242)	2/26/2014	Yes	N	U	U	0.22	0.044	mg/kg

SDG: 480532972

Analytical Method SW8082A												
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-004 (8-10')-2014	0113 480-53297-6	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg

Analytical Method	SW6010C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673801A	4801673801A	IRON	2/27/2014	2.23	Yes	Υ	J	J	51.7	1.1	mg/kg
4801673801A	4801673801A	VANADIUM	2/27/2014		Yes	N	U	U	2.6	0.11	mg/kg
4801673801A	4801673801A	THALLIUM	2/27/2014		Yes	N	U	U	31.0	0.31	mg/kg
4801673801A	4801673801A	SODIUM	2/27/2014		Yes	N	U	U	724	13.4	mg/kg
4801673801A	4801673801A	SILVER	2/27/2014		Yes	N	U	U	2.6	0.21	mg/kg
4801673801A	4801673801A	SELENIUM	2/27/2014		Yes	N	U	υ	20.7	0.41	mg/kg
4801673801A	4801673801A	POTASSIUM	2/27/2014		Yes	N	U	υ	155	20.7	mg/kg
4801673801A	4801673801A	NICKEL	2/27/2014		Yes	N	U	U	25.8	0.24	mg/kg
4801673801A	4801673801A	MANGANESE	2/27/2014	0.0413	Yes	Υ	J	J	1.0	0.033	mg/kg
4801673801A	4801673801A	ZINC	2/27/2014	0.245	Yes	Υ	J	J	10.3	0.16	mg/kg
4801673801A	4801673801A	LEAD	2/27/2014		Yes	N	U	U	5.2	0.25	mg/kg
4801673801A	4801673801A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U	U	2.6	0.21	mg/kg
4801673801A	4801673801A	COPPER	2/27/2014		Yes	N	U	U	5.2	0.22	mg/kg
4801673801A	4801673801A	COBALT	2/27/2014		Yes	N	U	U	2.6	0.052	mg/kg
4801673801A	4801673801A	CALCIUM	2/27/2014	4.28	Yes	Υ	J	J	258	3.4	mg/kg
4801673801A	4801673801A	BERYLLIUM	2/27/2014		Yes	N	U	U	1.0	0.029	mg/kg
4801673801A	4801673801A	BARIUM	2/27/2014		Yes	N	U	U	2.6	0.11	mg/kg
4801673801A	4801673801A	ARSENIC	2/27/2014		Yes	N	U	U	10.3	0.41	mg/kg
4801673801A	4801673801A	ANTIMONY	2/27/2014		Yes	N	U	U	77.5	0.41	mg/kg
4801673801A	4801673801A	ALUMINUM	2/27/2014		Yes	N	U	U	51.7	4.5	mg/kg
4801673801A	4801673801A	MAGNESIUM	2/27/2014		Yes	N	υ	υ	103	0.96	mg/kg
4801673801A	4801673801A	CADMIUM	2/27/2014		Yes	N	U	U	1.0	0.031	mg/kg
4801673811A	4801673811A	COPPER	2/27/2014		Yes	N	U	U	5.4	0.23	mg/kg
4801673811A	4801673811A	SODIUM	2/27/2014		Yes	N	U	U	761	14.1	mg/kg
4801673811A	4801673811A	SILVER	2/27/2014		Yes	N	U	U	2.7	0.22	mg/kg

Analytical Method SW6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673811A	4801673811A	SELENIUM	2/27/2014		Yes	N	U	U	21.7	0.43	mg/kg
4801673811A	4801673811A	POTASSIUM	2/27/2014		Yes	N	U	U	163	21.7	mg/kg
4801673811A	4801673811A	NICKEL	2/27/2014		Yes	N	U	U	27.2	0.25	mg/kg
4801673811A	4801673811A	MANGANESE	2/27/2014	0.134	Yes	Υ	J	J	1.1	0.035	mg/kg
4801673811A	4801673811A	MAGNESIUM	2/27/2014	2.33	Yes	Υ	J	J	109	1.0	mg/kg
4801673811A	4801673811A	THALLIUM	2/27/2014		Yes	N	U	U	32.6	0.33	mg/kg
4801673811A	4801673811A	IRON	2/27/2014	5.23	Yes	Υ	J	J	54.3	1.2	mg/kg
4801673811A	4801673811A	BARIUM	2/27/2014		Yes	N	U	U	2.7	0.12	mg/kg
4801673811A	4801673811A	COBALT	2/27/2014		Yes	N	U	U	2.7	0.054	mg/kg
4801673811A	4801673811A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U	U	2.7	0.22	mg/kg
4801673811A	4801673811A	CALCIUM	2/27/2014	7.49	Yes	Υ	J	J	272	3.6	mg/kg
4801673811A	4801673811A	CADMIUM	2/27/2014		Yes	N	U	U	1.1	0.033	mg/kg
4801673811A	4801673811A	BERYLLIUM	2/27/2014		Yes	N	U	U	1.1	0.030	mg/kg
4801673811A	4801673811A	ARSENIC	2/27/2014		Yes	N	U	U	10.9	0.43	mg/kg
4801673811A	4801673811A	ALUMINUM	2/27/2014		Yes	N	U	U	54.3	4.8	mg/kg
4801673811A	4801673811A	LEAD	2/27/2014		Yes	N	U	U	5.4	0.26	mg/kg
4801673811A	4801673811A	ZINC	2/27/2014	0.354	Yes	Υ	J	J	10.9	0.17	mg/kg
4801673811A	4801673811A	VANADIUM	2/27/2014		Yes	N	U	U	2.7	0.12	mg/kg
4801673811A	4801673811A	ANTIMONY	2/27/2014		Yes	N	U	· U	81.5	0.43	mg/kg
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Υ	J	J	0.050	0.019	mg/l
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U	U	0.0050	0.0015	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U	U	0.020	0.010	mg/i
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U	U	1.0	0.32	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U	U	0.015	0.0087	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U	U	0.010	0.0013	mg/l

Analytical Method SV	V6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Υ	J		J	0.0030	0.00040	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Υ	J		J	0.010	0.0015	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	υ		U	0.0040	0.00063	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/i
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	υ		U	0.20	0.060	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
CC-C-042-0-2-20140220	480-55087-4	SODIUM	2/27/2014	192	Yes	Υ	J		J	778	14.4	mg/kg
CC-C-042-0-2-20140220	480-55087-4	COPPER	2/27/2014	141	Yes	Υ		J	J	5.6	0.23	mg/kg
CC-C-042-0-2-20140220	480-55087-4	IRON	2/27/2014	28600	Yes	Υ	В	J	J	55.5	1.2	mg/kg
CC-C-042-0-2-20140220	480-55087-4	LEAD	2/27/2014	242	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MAGNESIUM	2/27/2014	3460	Yes	Υ				111	1.0	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MANGANESE	2/27/2014	1290	Yes	Υ	В	J	J	1.1	0.036	mg/kg
CC-C-042-0-2-20140220	480-55087-4	NICKEL	2/27/2014	18.2	Yes	Υ	J		J	27.8	0.26	mg/kg
CC-C-042-0-2-20140220	480-55087-4	POTASSIUM	2/27/2014	974	Yes	Υ				167	22.2	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ZINC	2/27/2014	209	Yes	Υ	В	J	J	11.1	0.17	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	SILVER	2/27/2014	4.3	Yes	Υ				2.8	0.22	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CADMIUM	2/27/2014	2.3	Yes	Υ				1.1	0.033	mg/kg
CC-C-042-0-2-20140220	480-55087-4	BERYLLIUM	2/27/2014	0.26	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-042-0-2-20140220	480-55087-4	BARIUM	2/27/2014	74	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CHROMIUM, TOTAL	2/27/2014	16.9	Yes	Υ				2.8	0.22	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ANTIMONY	2/27/2014	32.5	Yes	Υ	J		J	83.3	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ALUMINUM	2/27/2014	8020	Yes	Υ		J	J	55.5	4.9	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CALCIUM	2/27/2014	13100	Yes	Υ	В	J	J	278	3.7	mg/kg
CC-C-042-0-2-20140220	480-55087-4	COBALT	2/27/2014	12	Yes	Υ		J	J	2.8	0.056	mg/kg
CC-C-042-0-2-20140220	480-55087-4	SELENIUM	2/27/2014	2.7	Yes	Υ	J		J	22.2	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	VANADIUM	2/27/2014	20.8	Yes	Υ				2.8	0.12	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ARSENIC	2/27/2014	30.1	Yes	Υ				11.1	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	THALLIUM	2/27/2014		Yes	N	U		U	33.3	0.33	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ZINC	2/27/2014	181	Yes	Υ	В	J	J	10.5	0.16	mg/kg
CC-C-042-2-4-20140220	480-55087-5	IRON	2/27/2014	18400	Yes	Υ	В			52.3	1.2	mg/kg
CC-C-042-2-4-20140220	480-55087-5	COPPER	2/27/2014	125	Yes	Υ		J	J	5.2	0.22	mg/kg
CC-C-042-2-4-20140220	480-55087-5	COBALT	2/27/2014	12	Yes	Υ				2.6	0.052	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CHROMIUM, TOTAL	2/27/2014	10.2	Yes	Υ				2.6	0.21	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CALCIUM	2/27/2014	7400	Yes	Υ	В	J	J	261	3.5	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CADMIUM	2/27/2014	2	Yes	Υ				1.0	0.031	mg/kg
CC-C-042-2-4-20140220	480-55087-5	BERYLLIUM	2/27/2014	0.25	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-042-2-4-20140220	480-55087-5	BARIUM	2/27/2014	63.7	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-042-2-4-20140220	480-55087-5	VANADIUM	2/27/2014	22.1	Yes	Υ				2.6	0.12	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ARSENIC	2/27/2014	50	Yes	Υ				10.5	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MANGANESE	2/27/2014	713	Yes	Υ	В	J	J	1.0	0.033	mg/kg

Analytical Method SW6	5010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	NICKEL	2/27/2014	12.4	Yes	Υ	J		J	26.1	0.24	mg/kg
CC-C-042-2-4-20140220	480-55087-5	POTASSIUM	2/27/2014	601	Yes	Υ				157	20.9	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SELENIUM	2/27/2014	2.8	Yes	Υ	J		J	20.9	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SILVER	2/27/2014	4.2	Yes	Υ				2.6	0.21	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MAGNESIUM	2/27/2014	3270	Yes	Υ				105	0.97	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ANTIMONY	2/27/2014	40.8	Yes	Υ	J		J	78.4	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ALUMINUM	2/27/2014	5820	Yes	Υ		J	J	52.3	4.6	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SODIUM	2/27/2014	238	Yes	Υ	J		J	732	13.6	mg/kg
CC-C-042-2-4-20140220	480-55087-5	THALLIUM	2/27/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-042-2-4-20140220	480-55087-5	LEAD	2/27/2014	323	Yes	Υ		J	J	5.2	0.25	mg/kg
CC-C-042-8-10-20140220	480-55087-7	POTASSIUM	2/27/2014	308	Yes	Υ				147	19.6	mg/kg
CC-C-042-8-10-20140220	480-55087 - 7	COBALT	2/27/2014	0.71	Yes	Υ	J		J	2.5	0.049	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ZINC	2/27/2014	5.8	Yes	Υ	BJ	UJ	IJ	9.8	0.15	mg/kg
CC-C-042-8-10-20140220	480-55087-7	VANADIUM	2/27/2014	4.2	Yes	Υ				2.5	0.11	mg/kg
CC-C-042-8-10-20140220	480-55087-7	THALLIUM	2/27/2014		Yes	N	U		U	29.4	0.29	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SODIUM	2/27/2014	28	Yes	Υ	J		J	686	12.7	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SELENIUM	2/27/2014	0.49	Yes	Υ	J		J	19.6	0.39	mg/kg
CC-C-042-8-10-20140220	480-55087-7	NICKEL	2/27/2014	1.2	Yes	Υ	J		J	24.5	0.23	mg/kg
CC-C-042-8-10-20140220	480-55087-7	MANGANESE	2/27/2014	77.6	Yes	Υ	В	J	j	0.98	0.031	mg/kg
CC-C-042-8-10-20140220	480 - 55087-7	MAGNESIUM	2/27/2014	552	Yes	Υ				98.1	0.91	mg/kg
CC-C-042-8-10-20140220	480-55087-7	LEAD	2/27/2014	1.7	Yes	Υ	J	J	J	4.9	0.24	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ALUMINUM	2/27/2014	972	Yes	Υ		J	J	49.0	4.3	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SILVER	2/27/2014	0.42	Yes	Υ	J		J	2.5	0.20	mg/kg
CC-C-042-8-10-20140220	480-55087-7	IRON	2/27/2014	3620	Yes	Υ	В			49.0	1.1	mg/kg
CC-C-042-8-10-20140220	480-55087-7	COPPER	2/27/2014	9.7	Yes	Υ		J	J	4.9	0.21	mg/kg

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Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Vai Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	CALCIUM	2/27/2014	328	Yes	Υ	В	J	J	245	3.2	mg/kg
CC-C-042-8-10-20140220	480-55087-7	CADMIUM	2/27/2014	0.12	Yes	Υ	J		J	0.98	0.029	mg/kg
CC-C-042-8-10-20140220	480-55087-7	CHROMIUM, TOTAL	2/27/2014	2.8	Yes	Υ				2.5	0.20	mg/kg
CC-C-042-8-10-20140220	480-55087-7	BARIUM	2/27/2014	3.6	Yes	Υ		J	J	2.5	0.11	mg/kg
CC-C-042-8-10-20140220	480-55087-7	BERYLLIUM	2/27/2014	0.1	Yes	Υ	J		J	0.98	0.027	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ANTIMONY	2/27/2014	0.85	Yes	Υ	J		J	73.6	0.39	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ARSENIC	2/27/2014	10.2	Yes	Υ				9.8	0.39	mg/kg
CC-C-043-0-2-20140220	480-55087-8	LEAD	2/27/2014	76.7	Yes	Υ		J	J	5.3	0.25	mg/kg
CC-C-043-0-2-20140220	480-55087-8	IRON	2/27/2014	7870	Yes	Υ	В			52.7	1.2	mg/kg
CC-C-043-0-2-20140220	480-55087-8	COPPER	2/27/2014	22.7	Yes	Υ		J	J	5.3	0.22	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CHROMIUM, TOTAL	2/27/2014	10	Yes	Υ				2.6	0.21	mg/kg
CC-C-043-0-2-20140220	480-55087-8	POTASSIUM	2/27/2014	415	Yes	Υ				158	21.1	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CALCIUM	2/27/2014	7890	Yes	Υ	В	J	J	263	3.5	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CADMIUM	2/27/2014	0.36	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ALUMINUM	2/27/2014	4600	Yes	Υ		J	J	52.7	4.6	mg/kg
CC-C-043-0-2-20140220	480-55087-8	BERYLLIUM	2/27/2014	0.17	Yes	Υ	J		J	1.1	0.029	mg/kg
CC-C-043-0-2-20140220	480-55087-8	COBALT	2/27/2014	3.5	Yes	Υ				2.6	0.053	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SILVER	2/27/2014	0.23	Yes	Υ	J		J	2.6	0.21	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ZINC	2/27/2014	63	Yes	Υ	В	J	J	10.5	0.16	mg/kg
CC-C-043-0-2-20140220	480-55087-8	VANADIUM	2/27/2014	12.3	Yes	Υ				2.6	0.12	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MANGANESE	2/27/2014	160	Yes	Υ	В	J	J	1.1	0.034	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SODIUM	2/27/2014	56	Yes	Υ	J		J	737	13.7	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MAGNESIUM	2/27/2014	2410	Yes	Υ				105	0.98	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SELENIUM	2/27/2014		Yes	N	U		U	21.1	0.42	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ARSENIC	2/27/2014	7.2	Yes	Υ	J		J	10.5	0.42	mg/kg

SDG: 480550871

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	BARIUM	2/27/2014	47	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-043-0-2-20140220	480-55087-8	NICKEL	2/27/2014	8.2	Yes	Υ	J		J	26.3	0.24	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ANTIMONY	2/27/2014	4.9	Yes	Υ	J		J	79.0	0.42	mg/kg
CC-C-043-0-2-20140220	480-55087-8	THALLIUM	2/27/2014		Yes	N	U		U	31.6	0.32	mg/kg
CC-C-043-2-4-20140220	480-55087-9	POTASSIUM	2/27/2014	509	Yes	Υ				167	22.3	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ALUMINUM	2/27/2014	5190	Yes	Υ		J	J	55.7	4.9	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ARSENIC	2/27/2014	4.6	Yes	Υ	J		J	11.1	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ANTIMONY	2/27/2014		Yes	N	U		U	83.5	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	LEAD	2/27/2014	50.5	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SELENIUM	2/27/2014		Yes	N	U		U	22.3	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	BARIUM	2/27/2014	64.5	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MAGNESIUM	2/27/2014	1770	Yes	Υ				111	1.0	mg/kg
CC-C-043-2-4-20140220	480-55087-9	NICKEL	2/27/2014	10.5	Yes	Υ	J		J	27.8	0.26	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SILVER	2/27/2014		Yes	N	U		U	2.8	0.22	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SODIUM	2/27/2014	45.4	Yes	Υ	J		J	780	14.5	mg/kg
CC-C-043-2-4-20140220	480-55087-9	THALLIUM	2/27/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-043-2-4-20140220	480-55087-9	VANADIUM	2/27/2014	15.6	Yes	Υ				2.8	0.12	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CADMIUM	2/27/2014	0.3	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-043-2-4-20140220	480-55087-9	IRON	2/27/2014	10900	Yes	Υ	В			55.7	1.2	mg/kg
CC-C-043-2-4-20140220	480-55087-9	COPPER	2/27/2014	17.2	Yes	Υ		J	J	5.6	0.23	mg/kg
CC-C-043-2-4-20140220	480-55087-9	COBALT	2/27/2014	4.4	Yes	Υ				2.8	0.056	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CHROMIUM, TOTAL	2/27/2014	10.7	Yes	Υ				2.8	0.22	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CALCIUM	2/27/2014	4180	Yes	Υ	В	J	J	278	3.7	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ZINC	2/27/2014	56.9	Yes	Υ	В	J	J	11.1	0.17	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MANGANESE	2/27/2014	722	Yes	Υ	В	J	J	1.1	0.036	mg/kg

SDG: 480550871

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units_
CC-C-043-2-4-20140220	480-55087-9	BERYLLIUM	2/27/2014	0.28	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SILVER	2/27/2014	3.7	Yes	Υ				2.9	0.23	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SODIUM	2/27/2014	77.6	Yes	Υ	J		J	805	14.9	mg/kg
CC-C-043-6-8-20140220	480-55087-10	THALLIUM	2/27/2014		Yes	N	U		U	34.5	0.34	mg/kg
CC-C-043-6-8-20140220	480-55087-10	VANADIUM	2/27/2014	11.5	Yes	Υ				2.9	0.13	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ZINC	2/27/2014	138	Yes	Υ	В	J	j	11.5	0.18	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ARSENIC	2/27/2014	4.3	Yes	Υ	J		J	11.5	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	BERYLLIUM	2/27/2014	0.17	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ALUMINUM	2/27/2014	4730	Yes	Υ		J	J	57.5	5.1	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SELENIUM	2/27/2014		Yes	N	U		U	23.0	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CHROMIUM, TOTAL	2/27/2014	10.9	Yes	Υ				2.9	0.23	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ANTIMONY	2/27/2014	4.4	Yes	Υ	J		J	86.2	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	POTASSIUM	2/27/2014	520	Yes	Υ				172	23.0	mg/kg
CC-C-043-6-8-20140220	480-55087-10	NICKEL	2/27/2014	9.1	Yes	Υ	J		J	28.7	0.26	mg/kg
CC-C-043-6-8-20140220	480-55087 - 10	MANGANESE	2/27/2014	162	Yes	Υ	В	J	J	1.1	0.037	mg/kg
CC-C-043-6-8-20140220	480-55087-10	MAGNESIUM	2/27/2014	1660	Yes	Υ				115	1.1	mg/kg
CC-C-043-6-8-20140220	480-55087-10	LEAD	2/27/2014	104	Yes	Υ		J	J ·	5.7	0.28	mg/kg
CC-C-043-6-8-20140220	480-55087-10	BARIUM	2/27/2014	45.2	Yes	Υ		J	J	2.9	0.13	mg/kg
CC-C-043-6-8-20140220	480-55087-10	IRON	2/27/2014	9940	Yes	Υ	В			57.5	1.3	mg/kg
CC-C-043-6-8-20140220	480-55087-10	COBALT	2/27/2014	3.5	Yes	Υ				2.9	0.057	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CALCIUM	2/27/2014	3630	Yes	Υ	В	J	J	287	3.8	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CADMIUM	2/27/2014	0.55	Yes	Υ	J		J	1.1	0.034	mg/kg
CC-C-043-6-8-20140220	480-55087-10	COPPER	2/27/2014	58.2	Yes	Υ		J	J	5.7	0.24	mg/kg
CC-C-044-0-2-20140220	480-55087-13	BARIUM	2/27/2014	56.4	Yes	Υ		J	J	2.6	0.11	mg/kg
CC-C-044-0-2-20140220	480-55087-13	LEAD	2/27/2014	87.5	Yes	Υ		J	J	5.2	0.25	mg/kg

Analytical Method SW6	010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	ALUMINUM	2/27/2014	5670	Yes	Υ		J	J	52.2	4.6	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ANTIMONY	2/27/2014	8.3	Yes	Υ	J		J	78.3	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ARSENIC	2/27/2014	10.1	Yes	Υ	J		J	10.4	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	BERYLLIUM	2/27/2014	0.22	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CALCIUM	2/27/2014	7570	Yes	Υ	В	J	J	261	3.4	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CHROMIUM, TOTAL	2/27/2014	12.2	Yes	Υ				2.6	0.21	mg/kg
CC-C-044-0-2-20140220	480-55087-13	COBALT	2/27/2014	5	Yes	Υ				2.6	0.052	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CADMIUM	2/27/2014	0.34	Yes	Υ	J		J	1.0	0.031	mg/kg
CC-C-044-0-2-20140220	480-55087-13	IRON	2/27/2014	10600	Yes	Υ	В			52.2	1.1	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ZINC	2/27/2014	91.9	Yes	Υ	В	J	J	10.4	0.16	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MAGNESIUM	2/27/2014	4080	Yes	Υ				104	0.97	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MANGANESE	2/27/2014	195	Yes	Υ	В	J	J	1.0	0.033	mg/kg
CC-C-044-0-2-20140220	480-55087-13	NICKEL	2/27/2014	12.9	Yes	Υ	J		J	26.1	0.24	mg/kg
CC-C-044-0-2-20140220	480-55087-13	POTASSIUM	2/27/2014	576	Yes	Υ				157	20.9	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SELENIUM	2/27/2014	0.56	Yes	Υ	J		J	20.9	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SILVER	2/27/2014	0.22	Yes	Υ	J		J	2.6	0.21	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SODIUM	2/27/2014	101	Yes	Υ	J		J	731	13.6	mg/kg
CC-C-044-0-2-20140220	480-55087-13	THALLIUM	2/27/2014		Yes	N	U		U	31.3	0.31	mg/kg
CC-C-044-0-2-20140220	480-55087-13	VANADIUM	2/27/2014	14.9	Yes	Υ				2.6	0.11	mg/kg
CC-C-044-0-2-20140220	480-55087-13	COPPER	2/27/2014	26.8	Yes	Υ		j	J	5.2	0.22	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ARSENIC	2/27/2014	13.7	Yes	Υ				11.6	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	IRON	2/27/2014	3740	Yes	Υ	В			57.9	1.3	mg/kg
CC-C-044-4-6-20140220	480-55087-14	BERYLLIUM	2/27/2014	0.05	Yes	Υ	J		J	1.2	0.032	mg/kg
CC-C-044-4-6-20140220	480-55087-14	THALLIUM	2/27/2014		Yes	N	U		U	34.7	0.35	mg/kg
CC-C-044-4-6-20140220	480-55087-14	SODIUM	2/27/2014	30.5	Yes	Υ	J		J	810	15.0	mg/kg

SDG: 480550871

Analytical Method SW6	8010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab <u>Qual</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	SILVER	2/27/2014		Yes	N	υ		U	2.9	0.23	mg/kg
CC-C-044-4-6-20140220	480-55087-14	SELENIUM	2/27/2014		Yes	N	U		U	23.2	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	POTASSIUM	2/27/2014	155	Yes	Υ	J		J	174	23.2	mg/kg
CC-C-044-4-6-20140220	480-55087-14	NICKEL	2/27/2014	0.79	Yes	Υ	J		J	28.9	0.27	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MANGANESE	2/27/2014	82.9	Yes	Υ	В	J	J	1.2	0.037	mg/kg
CC-C-044-4-6-20140220	480-55087-14	VANADIUM	2/27/2014	2.3	Yes	Υ	J		J	2.9	0.13	mg/kg
CC-C-044-4-6-20140220	480-55087-14	LEAD	2/27/2014	2.4	Yes	Υ	J	J	J	5.8	0.28	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ZINC	2/27/2014	10.8	Yes	Υ	BJ	UJ	UJ	11.6	0.18	mg/kg
CC-C-044-4-6-20140220	480-55087-14	COPPER	2/27/2014	2.5	Yes	Υ	J	J	J	5.8	0.24	mg/kg
CC-C-044-4-6-20140220	480-55087-14	COBALT	2/27/2014	0.34	Yes	Υ	J		J	2.9	0.058	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CHROMIUM, TOTAL	2/27/2014	2.6	Yes	Υ	J		J	2.9	0.23	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CALCIUM	2/27/2014	500	Yes	Υ	В	J	J	289	3.8	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CADMIUM	2/27/2014	0.043	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-044-4-6-20140220	480-55087-14	BARIUM	2/27/2014	7.7	Yes	Υ		J	J	2.9	0.13	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ANTIMONY	2/27/2014	0.67	Yes	Υ	J		J	86.8	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ALUMINUM	2/27/2014	761	Yes	Υ		J	J	57.9	5.1	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MAGNESIUM	2/27/2014	192	Yes	Υ				116	1.1	mg/kg
CC-C-044-8-10-20140220	480-55087-16	IRON	2/27/2014	2680	Yes	Υ	В			60.1	1.3	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SODIUM	2/27/2014	30.1	Yes	Υ	J		J	841	15.6	mg/kg
CC-C-044-8-10-20140220	480-55087-16	THALLIUM	2/27/2014		Yes	N	U		U	36.0	0.36	mg/kg
CC-C-044-8-10-20140220	480-55087-16	VANADIUM	2/27/2014	3.2	Yes	Υ				3.0	0.13	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ZINC	2/27/2014	3.6	Yes	Υ	BJ	UJ	UJ	12.0	0.18	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SELENIUM	2/27/2014		Yes	N	U		U	24.0	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	POTASSIUM	2/27/2014	196	Yes	Υ				180	24.0	mg/kg
CC-C-044-8-10-20140220	480-55087-16	NICKEL	2/27/2014	1.5	Yes	Υ	J		J	30.0	0.28	mg/kg

Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Donont	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
					Report			vai ųuai	_			
CC-C-044-8-10-20140220	480-55087-16	MANGANESE	2/27/2014	51.7	Yes	Y	В	J	J	1.2	0.038	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ALUMINUM	2/27/2014	728	Yes	Υ		J	J	60.1	5.3	mg/kg
CC-C-044-8-10-20140220	480-55087-16	LEAD	2/27/2014	1.8	Yes	Υ	J	J	J	6.0	0.29	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-044-8-10-20140220	480-55087-16	COPPER	2/27/2014	14.2	Yes	Υ		J	J	6.0	0.25	mg/kg
CC-C-044-8-10-20140220	480-55087-16	COBALT	2/27/2014	0.82	Yes	Υ	J		J	3.0	0.060	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CHROMIUM, TOTAL	2/27/2014	3.2	Yes	Υ				3.0	0.24	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CALCIUM	2/27/2014	855	Yes	Υ	В	J	J	300	4.0	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CADMIUM	2/27/2014	0.043	Yes	Υ	J		J	1.2	0.036	mg/kg
CC-C-044-8-10-20140220	480-55087-16	BERYLLIUM	2/27/2014	0.036	Yes	Υ	J		J	1.2	0.034	mg/kg
CC-C-044-8-10-20140220	480-55087-16	BARIUM	2/27/2014	3.5	Yes	Υ		J	J	3.0	0.13	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ARSENIC	2/27/2014	50.6	Yes	Υ				12.0	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ANTIMONY	2/27/2014	0.98	Yes	Υ	J		J	90.1	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	MAGNESIUM	2/27/2014	413	Yes	Υ				120	1.1	mg/kg
CC-C-045-0-2-20140220	480-55087-18	SILVER	2/27/2014	0.3	Yes	Υ	J		J	2.8	0.23	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ARSENIC	2/27/2014	5	Yes	Υ	J		J	11.4	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MAGNESIUM	2/27/2014	1820	Yes	Υ				114	1.1	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MANGANESE	2/27/2014	184	Yes	Υ	В	J	J	1.1	0.036	mg/kg
CC-C-045-0-2-20140220	480-55087-18	NICKEL	2/27/2014	9.9	Yes	Υ	J		J	28.5	0.26	mg/kg
CC-C-045-0-2-20140220	480-55087-18	LEAD	2/27/2014	81.6	Yes	Υ		J	J	5.7	0.27	mg/kg
CC-C-045-0-2-20140220	480-55087-18	IRON	2/27/2014	10500	Yes	Υ	В			56.9	1.3	mg/kg
CC-C-045-0-2-20140220	480-55087-18	COPPER	2/27/2014	24.3	Yes	Υ		J	J	5.7	0.24	mg/kg
CC-C-045-0-2-20140220	480-55087-18	COBALT	2/27/2014	3.9	Yes	Υ				2.8	0.057	mg/kg
CC-C-045-0-2-20140220	480-55087-18	CHROMIUM, TOTAL	2/27/2014	14.8	Yes	Υ				2.8	0.23	mg/kg
CC-C-045-0-2-20140220	480-55087-18	CALCIUM	2/27/2014	3960	Yes	Υ	В	j	J	285	3.8	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	CADMIUM	2/27/2014	0.4	Yes	Υ	J		J	1.1	0.034	mg/kg
CC-C-045-0-2-20140220	480-55087-18	BARIUM	2/27/2014	54	Yes	Υ		J	J	2.8	0.13	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ANTIMONY	2/27/2014	2.7	Yes	Υ	J		J	85.4	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ALUMINUM	2/27/2014	4730	Yes	Υ		J	J	56.9	5.0	mg/kg
CC-C-045-0-2-20140220	480-55087-18	SELENIUM	2/27/2014	0.54	Yes	Υ	J		J	22.8	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	THALLIUM	2/27/2014		Yes	N	U		U	34.2	0.34	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ZINC	2/27/2014	76.9	Yes	Υ	В	J	J	11.4	0.17	mg/kg
CC-C-045-0-2-20140220	480-55087-18	VANADIUM	2/27/2014	13.5	Yes	Υ				2.8	0.13	mg/kg
CC-C-045-0-2-20140220	480-55087-18	BERYLLIUM	2/27/2014	0.22	Yes	Υ	j		J	1.1	0.032	mg/kg
CC-C-045-0-2-20140220	480-5508 7-1 8	SODIUM	2/27/2014	67.3	Yes	Υ	J		J	797	14.8	mg/kg
CC-C-045-0-2-20140220	480-55087-18	POTASSIUM	2/27/2014	553	Yes	Υ				171	22.8	mg/kg
CC-C-045-4-6-20140220	480-55087-19	LEAD	2/27/2014	87	Yes	Υ		J	J	6.0	0.29	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CALCIUM	2/27/2014	9110	Yes	Υ	В	J	J	301	4.0	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CHROMIUM, TOTAL	2/27/2014	12.7	Yes	Υ				3.0	0.24	mg/kg
CC-C-045-4-6-20140220	480-55087-19	COBALT	2/27/2014	4.2	Yes	Υ				3.0	0.060	mg/kg
CC-C-045-4-6-20140220	480-55087-19	COPPER	2/27/2014	21.8	Yes	Υ		J	J	6.0	0.25	mg/kg
CC-C-045-4-6-20140220	480-55087-19	MAGNESIUM	2/27/2014	3760	Yes	Υ				120	1.1	mg/kg
CC-C-045-4-6-20140220	480-55087-19	NICKEL	2/27/2014	11.1	Yes	Υ	J		J ·	30.1	0.28	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ZINC	2/27/2014	75.2	Yes	Υ	В	J	J	12.0	0.18	mg/kg
CC-C-045-4-6-20140220	480-55087-19	IRON	2/27/2014	10700	Yes	Υ	В			60.2	1.3	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-045-4-6-20140220	480-55087-19	VANADIUM	2/27/2014	15.9	Yes	Υ				3.0	0.13	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SELENIUM	2/27/2014		Yes	N	U		U	24.1	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	MANGANESE	2/27/2014	168	Yes	Υ	В	J	J	1.2	0.038	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CADMIUM	2/27/2014	0.25	Yes	Υ	J		J	1.2	0.036	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Vai Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	THALLIUM	2/27/2014		Yes	N	U		U	36.1	0.36	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SODIUM	2/27/2014	72.3	Yes	Υ	J		J	842	15.6	mg/kg
CC-C-045-4-6-20140220	480-55087-19	POTASSIUM	2/27/2014	609	Yes	Υ				180	24.1	mg/kg
CC-C-045-4-6-20140220	480-55087-19	BARIUM	2/27/2014	58.7	Yes	Υ		J	J	3.0	0.13	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ARSENIC	2/27/2014	4.2	Yes	Υ	J		J	12.0	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ANTIMONY	2/27/2014		Yes	N	U		U	90.2	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ALUMINUM	2/27/2014	5600	Yes	Υ		J	J	60.2	5.3	mg/kg
CC-C-045-4-6-20140220	480-55087-19	BERYLLIUM	2/27/2014	0.22	Yes	Υ	j		J	1.2	0.034	mg/kg
CC-C-045-8-10-20140220	480-55087-21	MAGNESIUM	2/27/2014	2740	Yes	Υ				115	1.1	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ALUMINUM	2/27/2014	4950	Yes	Υ		J	J	57.6	5.1	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ANTIMONY	2/27/2014	0.92	Yes	Υ	j		J	86.4	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ARSENIC	2/27/2014	7.5	Yes	Υ	J		J	11.5	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	BARIUM	2/27/2014	51.2	Yes	Υ		J	J	2.9	0.13	mg/kg
CC-C-045-8-10-20140220	480-55087-21	BERYLLIUM	2/27/2014	0.19	Yes	Υ	J		J	1.2	0.032	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CADMIUM	2/27/2014	0.23	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CALCIUM	2/27/2014	6920	Yes	Υ	В	J	J	288	3.8	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CHROMIUM, TOTAL	2/27/2014	11.7	Yes	Υ				2.9	0.23	mg/kg
CC-C-045-8-10-20140220	480-55087-21	COBALT	2/27/2014	3.5	Yes	Υ				2.9	0.058	mg/kg
CC-C-045-8-10-20140220	480-55087-21	COPPER	2/27/2014	22.8	Yes	Υ		J	J	5.8	0.24	mg/kg
CC-C-045-8-10-20140220	480 - 55087-21	ZINC	2/27/2014	55	Yes	Υ	В	J	J	11.5	0.18	mg/kg
CC-C-045-8-10-20140220	480-55087-21	LEAD	2/27/2014	58.3	Yes	Υ		J	J	5.8	0.28	mg/kg
CC-C-045-8-10-20140220	480-55087-21	SELENIUM	2/27/2014		Yes	N	U		U	23.0	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	MANGANESE	2/27/2014	136	Yes	Υ	В	J	J	1.2	0.037	mg/kg
CC-C-045-8-10-20140220	480-55087-21	NICKEL	2/27/2014	10.1	Yes	Υ	J		J	28.8	0.26	mg/kg
CC-C-045-8-10-20140220	480-55087-21	POTASSIUM	2/27/2014	664	Yes	Υ				173	23.0	mg/kg

Analytical Method SW6	010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg
CC-C-045-8-10-20140220	480-55087-21	THALLIUM	2/27/2014		Yes	N	U		U	34.6	0.35	mg/kg
CC-C-045-8-10-20140220	480-55087-21	VANADIUM	2/27/2014	14.2	Yes	Υ				2.9	0.13	mg/kg
CC-C-045-8-10-20140220	480-55087-21	IRON	2/27/2014	9750	Yes	Υ	В			57.6	1.3	mg/kg
CC-C-045-8-10-20140220	480-55087-21	SODIUM	2/27/2014	66.1	Yes	Υ	J		J	806	15.0	mg/kg
CC-C-046-0-2-20140220	480-55087-25	NICKEL	2/27/2014	14.8	Yes	Υ	J		J	26.3	0.24	mg/kg
CC-C-046-0-2-20140220	480-55087-25	VANADIUM	2/27/2014	17.1	Yes	Υ				2.6	0.12	mg/kg
CC-C-046-0-2-20140220	480-55087-25	THALLIUM	2/27/2014		Yes	N	U		U	31.5	0.32	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SODIUM	2/27/2014	112	Yes	Υ	J		J	735	13.7	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SILVER	2/27/2014		Yes	N	U		U	2.6	0.21	mg/kg
CC-C-046-0-2-20140220	480-55087-25	POTASSIUM	2/27/2014	630	Yes	Υ				158	21.0	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ZINC	2/27/2014	114	Yes	Υ	В	J	J	10.5	0.16	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CALCIUM	2/27/2014	12500	Yes	Υ	В	J	J	263	3.5	mg/kg
CC-C-046-0-2-20140220	480-55087-25	MANGANESE	2/27/2014	228	Yes	Υ	В	J	J	1.1	0.034	mg/kg
CC-C-046-0-2-20140220	480-55087-25	MAGNESIUM	2/27/2014	5110	Yes	Υ				105	0.97	mg/kg
CC-C-046-0-2-20140220	480-55087-25	BERYLLIUM	2/27/2014	0.26	Yes	Υ	J		J	1.1	0.029	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SELENIUM	2/27/2014	0.42	Yes	Υ	J		J	21.0	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CADMIUM	2/27/2014	0.36	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-046-0-2-20140220	480-55087-25	LEAD	2/27/2014	123	Yes	Υ		J	J	5.3	0.25	mg/kg
CC-C-046-0-2-20140220	480-55087-25	BARIUM	2/27/2014	102	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ARSENIC	2/27/2014	4.2	Yes	Υ	J		J	10.5	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ANTIMONY	2/27/2014		Yes	N	U		U	78.8	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ALUMINUM	2/27/2014	6910	Yes	Υ		J	J	52.5	4.6	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CHROMIUM, TOTAL	2/27/2014	14.2	Yes	Υ				2.6	0.21	mg/kg
CC-C-046-0-2-20140220	480-55087-25	COBALT	2/27/2014	5.6	Yes	Υ				2.6	0.053	mg/kg

Analytical Method SW6	010C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	COPPER	2/27/2014	41.2	Yes	Υ		J	J	5.3	0.22	mg/kg
CC-C-046-0-2-20140220	480-55087-25	IRON	2/27/2014	12100	Yes	Υ	В			52.5	1.2	mg/kg
CC-C-046-4-6-20140220	480-55087-26	COBALT	2/27/2014	5	Yes	Υ				2.8	0.056	mg/kg
CC-C-046-4-6-20140220	480-55087-26	MANGANESE	2/27/2014	196	Yes	Υ	В			1.1	0.036	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ANTIMONY	2/27/2014	0.59	Yes	Υ	J	J	J	84.7	0.45	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ARSENIC	2/27/2014	4.7	Yes	Υ	J		J	11.3	0.45	mg/kg
CC-C-046-4-6-20140220	480-55087-26	BARIUM	2/27/2014	133	Yes	Υ				2.8	0.12	mg/kg
CC-C-046-4-6-20140220	480-55087-26	BERYLLIUM	2/27/2014	0.27	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CADMIUM	2/27/2014	0.33	Yes	Υ	J		J	1.1	0.034	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CALCIUM	2/27/2014	9730	Yes	Υ	В			282	3.7	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CHROMIUM, TOTAL	2/27/2014	27.4	Yes	Υ		J	J	2.8	0.23	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ZINC	2/27/2014	108	Yes	Υ	В			11.3	0.17	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ALUMINUM	2/27/2014	6120	Yes	Υ		J	J	56.4	5.0	mg/kg
CC-C-046-4-6-20140220	480-55087-26	MAGNESIUM	2/27/2014	2920	Yes	Υ	В	J	J	113	1.0	mg/kg
CC-C-046-4-6-20140220	480-55087 - 26	LEAD	2/27/2014	94.7	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-046-4-6-20140220	480-55087-26	IRON	2/27/2014	11100	Yes	Υ	В			56.4	1.2	mg/kg
CC-C-046-4-6-20140220	480-55087-26	NICKEL	2/27/2014	13.7	Yes	Υ	J		J	28.2	0.26	mg/kg
CC-C-046-4-6-20140220	480-55087-26	POTASSIUM	2/27/2014	708	Yes	Υ				169	22.6	mg/kg
CC-C-046-4-6-20140220	480-55087-26	VANADIUM	2/27/2014	17.7	Yes	Υ				2.8	0.12	mg/kg
CC-C-046-4-6-20140220	480-55087-26	COPPER	2/27/2014	47.8	Yes	Υ		J	J	5.6	0.24	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SODIUM	2/27/2014	185	Yes	Υ	J		J	790	14.7	mg/kg
CC-C-046-4-6-20140220	480-55087-26	THALLIUM	2/27/2014		Yes	N	U		U	33.9	0.34	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SILVER	2/27/2014		Yes	N	U		U	2.8	0.23	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SELENIUM	2/27/2014		Yes	N	U		U	22.6	0.45	mg/kg
CC-C-046-8-10-20140220	480-55087-28	COPPER	2/27/2014	27.4	Yes	Υ		J	J	5.8	0.24	mg/kg

Analytical Method SW6	8010C											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	LEAD	2/27/2014	80.4	Yes	Υ		J	J	5.8	0.28	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CALCIUM	2/27/2014	10100	Yes	Υ	В			291	3.8	mg/kg
CC-C-046-8-10-20140220	480-55087-28	MANGANESE	2/27/2014	155	Yes	Υ	В			1.2	0.037	mg/kg
CC-C-046-8-10-20140220	480-55087-28	IRON	2/27/2014	9480	Yes	Υ	В			58.2	1.3	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CHROMIUM, TOTAL	2/27/2014	11.4	Yes	Υ		J	J	2.9	0.23	mg/kg
CC-C-046-8-10-20140220	480-55087-28	NICKEL	2/27/2014	10.9	Yes	Υ	J		J	29.1	0.27	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CADMIUM	2/27/2014	0.35	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-046-8-10-20140220	480-55087-28	BERYLLIUM	2/27/2014	0.19	Yes	Υ	J		J	1.2	0.033	mg/kg
CC-C-046-8-10-20140220	480-55087-28	BARIUM	2/27/2014	72.8	Yes	Υ				2.9	0.13	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ARSENIC	2/27/2014	5.5	Yes	Υ	J		J	11.6	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ANTIMONY	2/27/2014	3.2	Yes	Υ	J	J	J	87.3	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ALUMINUM	2/27/2014	5700	Yes	Υ		J	J	58.2	5.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	COBALT	2/27/2014	4.6	Yes	Υ				2.9	0.058	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SELENIUM	2/27/2014		Yes	N	U		U	23.3	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SILVER	2/27/2014	0.28	Yes	Υ	J		J	2.9	0.23	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SODIUM	2/27/2014	120	Yes	Υ	J		J	815	15.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	THALLIUM	2/27/2014		Yes	N	U		υ	34.9	0.35	mg/kg
CC-C-046-8-10-20140220	480-55087-28	VANADIUM	2/27/2014	13.7	Yes	Υ				2.9	0.13	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ZINC	2/27/2014	69.3	Yes	Υ	В			11.6	0.18	mg/kg
CC-C-046-8-10-20140220	480-55087-28	MAGNESIUM	2/27/2014	3160	Yes	Υ	В	J	J	116	1.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	POTASSIUM	2/27/2014	610	Yes	Υ				175	23.3	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ALUMINUM	2/27/2014	5470	Yes	Υ		J	J	57.7	5.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	THALLIUM	2/27/2014		Yes	N	U		U	34.6	0.35	mg/kg
CC-C-047-0-2-20140220	480-55087-29	SODIUM	2/27/2014	73	Yes	Υ	J		J	808	15.0	mg/kg
CC-C-047-0-2-20140220	480-55087-29	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	SELENIUM	2/27/2014		Yes	N	U		U	23.1	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	POTASSIUM	2/27/2014	566	Yes	Υ				173	23.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	VANADIUM	2/27/2014	18.3	Yes	Υ				2.9	0.13	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ARSENIC	2/27/2014	4.5	Yes	Υ	J		J	11.5	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CALCIUM	2/27/2014	16800	Yes	Υ	В			288	3.8	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ANTIMONY	2/27/2014		Yes	N	υ	UJ	UJ	86.5	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	NICKEL	2/27/2014	11	Yes	Υ	J		J	28.8	0.27	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ZINC	2/27/2014	71.6	Yes	Υ	В			11.5	0.18	mg/kg
CC-C-047-0-2-20140220	480-55087-29	BARIUM	2/27/2014	70.7	Yes	Υ				2.9	0.13	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CADMIUM	2/27/2014	0.29	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CHROMIUM, TOTAL	2/27/2014	12.5	Yes	Υ		J	J	2.9	0.23	mg/kg
CC-C-047-0-2-20140220	480-55087-29	COBALT	2/27/2014	4	Yes	Υ				2.9	0.058	mg/kg
CC-C-047-0-2-20140220	480-55087-29	COPPER	2/27/2014	21.9	Yes	Υ		J	J	5.8	0.24	mg/kg
CC-C-047-0-2-20140220	480-55087-29	IRON	2/27/2014	10600	Yes	Υ	В			57.7	1.3	mg/kg
CC-C-047-0-2-20140220	480-55087-29	LEAD	2/27/2014	97.3	Yes	Υ		J	J	5.8	0.28	mg/kg
CC-C-047-0-2-20140220	480-55087-29	MAGNESIUM	2/27/2014	8800	Yes	Υ	В	J	J	115	1.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	MANGANESE	2/27/2014	182	Yes	Υ	В			1.2	0.037	mg/kg
CC-C-047-0-2-20140220	480-55087-29	BERYLLIUM	2/27/2014	0.27	Yes	Υ	J		J	1.2	0.032	mg/kg
CC-C-047-2-4-20140220	480-55087-30	COBALT	2/27/2014	6.7	Yes	Υ				3.0	0.060	mg/kg
CC-C-047-2-4-20140220	480-55087-30	LEAD	2/27/2014	150	Yes	Υ		J	J	6.0	0.29	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ALUMINUM	2/27/2014	6660	Yes	Υ		J	J	60.2	5.3	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	90.2	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ARSENIC	2/27/2014	4.4	Yes	Υ	J		J	12.0	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	BARIUM	2/27/2014	90.2	Yes	Υ				3.0	0.13	mg/kg
CC-C-047-2-4-20140220	480-55087-30	BERYLLIUM	2/27/2014	0.4	Yes	Υ	J		J	1.2	0.034	mg/kg

Analytical Method SW6	Lab Cample ID	Ohomical Nama	Anal Data	Dooult	Donont	Dotoot	Lab Oual	Vol Ovol	Tinal aval	ni.	MINI	Unito
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	ran Angi	vai quai	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	CADMIUM	2/27/2014	0.28	Yes	Υ	j		J	1.2	0.036	mg/kg
CC-C-047-2-4-20140220	480-55087-30	CALCIUM	2/27/2014	10500	Yes	Υ	В			301	4.0	mg/kg
CC-C-047-2-4-20140220	480-55087-30	CHROMIUM, TOTAL	2/27/2014	17.7	Yes	Υ		J	J	3.0	0.24	mg/kg
CC-C-047-2-4-20140220	480-55087-30	IRON	2/27/2014	13300	Yes	Υ	В			60.2	1.3	mg/kg
CC-C-047-2-4-20140220	480-55087 - 30	COPPER	2/27/2014	71.3	Yes	Υ		J	J	6.0	0.25	mg/kg
CC-C-047-2-4-20140220	480-55087-30	MAGNESIUM	2/27/2014	4880	Yes	Υ	В	J	J	120	1.1	mg/kg
CC-C-047-2-4-20140220	480-55087-30	MANGANESE	2/27/2014	218	Yes	Υ	В			1.2	0.038	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-047-2-4-20140220	480-55087-30	NICKEL	2/27/2014	19.6	Yes	Υ	J		J	30.1	0.28	mg/kg
CC-C-047-2-4-20140220	480-55087-30	VANADIUM	2/27/2014	19.1	Yes	Υ				3.0	0.13	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SODIUM	2/27/2014	90.1	Yes	Υ	J		J	842	15.6	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ZINC	2/27/2014	544	Yes	Υ	В			12.0	0.18	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SELENIUM	2/27/2014		Yes	N	U		U	24.1	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	THALLIUM	2/27/2014		Yes	N	U		U	36.1	0.36	mg/kg
CC-C-047-2-4-20140220	480-55087-30	POTASSIUM	2/27/2014	722	Yes	Υ				180	24.1	mg/kg
CC-C-047-8-10-20140220	480-55087-31	BERYLLIUM	2/27/2014	0.21	Yes	Υ	J		J	1.1	0.030	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SELENIUM	2/27/2014		Yes	N	U		U	21.3	0.43	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SILVER	2/27/2014		Yes	N	U		υ	2.7	0.21	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SODIUM	2/27/2014	51.7	Yes	Υ	J		J	745	13.8	mg/kg
CC-C-047-8-10-20140220	480-55087-31	THALLIUM	2/27/2014		Yes	N	U		υ	31.9	0.32	mg/kg
CC-C-047-8-10-20140220	480-55087-31	VANADIUM	2/27/2014	13.5	Yes	Υ				2.7	0.12	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ZINC	2/27/2014	68.5	Yes	Υ	В			10.6	0.16	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CADMIUM	2/27/2014	0.18	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ALUMINUM	2/27/2014	4940	Yes	Υ		J	J	53.2	4.7	mg/kg
CC-C-047-8-10-20140220	480-55087-31	POTASSIUM	2/27/2014	492	Yes	Υ				160	21.3	mg/kg

Analytical Method SW6	010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	BARIUM	2/27/2014	72.2	Yes	Υ				2.7	0.12	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ANTIMONY	2/27/2014		Yes	N	υ	UJ	UJ	79.8	0.43	mg/kg
CC-C-047-8-10-20140220	480-55087-31	NICKEL	2/27/2014	11.5	Yes	Υ	J		J	26.6	0.24	mg/kg
CC-C-047-8-10-20140220	480-55087-31	MANGANESE	2/27/2014	120	Yes	Υ	В			1.1	0.034	mg/kg
CC-C-047-8-10-20140220	480-55087-31	MAGNESIUM	2/27/2014	1890	Yes	Υ	В	J	J	106	0.99	mg/kg
CC-C-047-8-10-20140220	480-55087-31	LEAD	2/27/2014	88.7	Yes	Υ		J	J	5.3	0.26	mg/kg
CC-C-047-8-10-20140220	480-55087-31	IRON	2/27/2014	9350	Yes	Υ	В			53.2	1.2	mg/kg
CC-C-047-8-10-20140220	480-55087-31	COPPER	2/27/2014	20.5	Yes	Υ		J	J	5.3	0.22	mg/kg
CC-C-047-8-10-20140220	480-55087-31	COBALT	2/27/2014	3.5	Yes	Υ				2.7	0.053	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CHROMIUM, TOTAL	2/27/2014	9.7	Yes	Υ		J	J	2.7	0.21	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CALCIUM	2/27/2014	4360	Yes	Υ	В			266	3.5	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ARSENIC	2/27/2014	3.1	Yes	Υ	J		J	10.6	0.43	mg/kg
DUP026-20140220	480-55087-12	CALCIUM	2/27/2014	13700	Yes	Υ	В	J	j	280	3.7	mg/kg
DUP026-20140220	480-55087-12	ALUMINUM	2/27/2014	4910	Yes	Υ		J	J	56.0	4.9	mg/kg
DUP026-20140220	480-55087-12	ANTIMONY	2/27/2014	11	Yes	Υ	J		J	84.1	0.45	mg/kg
DUP026-20140220	480-55087-12	ARSENIC	2/27/2014	16.1	Yes	Υ				11.2	0.45	mg/kg
DUP026-20140220	480-55087-12	BARIUM	2/27/2014	61.2	Yes	Υ		J	J	2.8	0.12	mg/kg
DUP026-20140220	480-55087-12	BERYLLIUM	2/27/2014	0.21	Yes	Υ	J		J	1.1	0.031	mg/kg
DUP026-20140220	480-55087-12	CADMIUM	2/27/2014	0.76	Yes	Υ	J		J	1.1	0.034	mg/kg
DUP026-20140220	480-55087-12	IRON	2/27/2014	9460	Yes	Υ	В	J	J	56.0	1.2	mg/kg
DUP026-20140220	480-55087-12	MAGNESIUM	2/27/2014	4020	Yes	Υ				112	1.0	mg/kg
DUP026-20140220	480-55087-12	COPPER	2/27/2014	43.5	Yes	Υ		J	J	5.6	0.24	mg/kg
DUP026-20140220	480-55087-12	MANGANESE	2/27/2014	261	Yes	Υ	В	J	J	1.1	0.036	mg/kg
DUP026-20140220	480-55087-12	NICKEL	2/27/2014	10.2	Yes	Υ	J		J	28.0	0.26	mg/kg
DUP026-20140220	480-55087-12	POTASSIUM	2/27/2014	853	Yes	Υ				168	22.4	mg/kg

SDG: 480550871

Analytical Method	SW6010C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	SELENIUM	2/27/2014	1.3	Yes	Υ	J		J	22.4	0.45	mg/kg
DUP026-20140220	480-55087-12	SILVER	2/27/2014	0.69	Yes	Υ	J		J	2.8	0.22	mg/kg
DUP026-20140220	480-55087-12	SODIUM	2/27/2014	129	Yes	Υ	J		J	785	14.6	mg/kg
DUP026-20140220	480-55087-12	THALLIUM	2/27/2014		Yes	N	U		U	33.6	0.34	mg/kg
DUP026-20140220	480-55087-12	VANADIUM	2/27/2014	14.7	Yes	Υ				2.8	0.12	mg/kg
DUP026-20140220	480-55087-12	ZINC	2/27/2014	98.6	Yes	Υ	В	J	J	11.2	0.17	mg/kg
DUP026-20140220	480-55087-12	CHROMIUM, TOTAL	2/27/2014	11.8	Yes	Υ				2.8	0.22	mg/kg
DUP026-20140220	480-55087-12	LEAD	2/27/2014	133	Yes	Υ		J	J	5.6	0.27	mg/kg
DUP026-20140220	480-55087-12	COBALT	2/27/2014	5.7	Yes	Υ		J	J	2.8	0.056	mg/kg
FB027-20140220	480-55087-17	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
FB027-20140220	480-55087-17	CALCIUM	2/27/2014	0.32	Yes	Υ	J		J	0.50	0.10	mg/l
FB027-20140220	480-55087-17	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB027-20140220	480-55087-17	BERYLLIUM	2/27/2014		Yes	N	U		υ	0.0020	0.00030	mg/l
FB027-20140220	480-55087-17	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB027-20140220	480-55087-17	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB027-20140220	480-55087-17	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
FB027-20140220	480-55087-17	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB027-20140220	480-55087-17	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/i
FB027-20140220	480-55087-17	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB027-20140220	480-55087-17	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB027-20140220	480-55087-17	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB027-20140220	480-55087-17	ZINC	2/27/2014	0.0028	Yes	Υ	BJ	U	U	0.010	0.0015	mg/l
FB027-20140220	480-55087-17	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
FB027-20140220	480-55087-17	SELENIUM	2/27/2014		Yes	Ν	U		U	0.015	0.0087	mg/l
FB027-20140220	480-55087-17	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l

SDG: 480550871

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	MANGANESE	2/27/2014	0.00052	Yes	Υ	ВЈ	U	U	0.0030	0.00040	mg/l
FB027-20140220	480-55087-17	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
FB027-20140220	480-55087-17	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB027-20140220	480-55087-17	COPPER	2/27/2014	0.0021	Yes	Υ	J		J	0.010	0.0016	mg/l
FB027-20140220	480-55087-17	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB027-20140220	480-55087-17	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
LT-C-048-0-2-20140220	480-55087-22	VANADIUM	2/27/2014	5.7	Yes	Υ				3.1	0.14	mg/kg
LT-C-048-0-2-20140220	480-55087-22	COBALT	2/27/2014	3.2	Yes	Υ				3.1	0.062	mg/kg
LT-C-048-0-2-20140220	480-55087-22	COPPER	2/27/2014	6.5	Yes	Υ		J	J	6.2	0.26	mg/kg
LT-C-048-0-2-20140220	480-55087-22	LEAD	2/27/2014	2.6	Yes	Υ	J	J	J	6.2	0.30	mg/kg
LT-C-048-0-2-20140220	480-55087-22	MANGANESE	2/27/2014	89.9	Yes	Υ	В	J	J	1.2	0.039	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ZINC	2/27/2014	18.5	Yes	Υ	В	J	J	12.3	0.19	mg/kg
LT-C-048-0-2-20140220	480-55087-22	THALLIUM	2/27/2014		Yes	N	U		U	37.0	0.37	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CHROMIUM, TOTAL	2/27/2014	5.9	Yes	Υ				3.1	0.25	mg/kg
LT-C-048-0-2-20140220	480-55087-22	IRON	2/27/2014	4690	Yes	Υ	В			61.6	1.4	mg/kg
LT-C-048-0-2-20140220	480-55087-22	NICKEL	2/27/2014	6.5	Yes	Υ	J		J	30.8	0.28	mg/kg
LT-C-048-0-2-20140220	480-55087-22	SODIUM	2/27/2014	205	Yes	Υ	J		J	863	16.0	mg/kg
LT-C-048-0-2-20140220	480-55087-22	POTASSIUM	2/27/2014	344	Yes	Υ				185	24.6	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CADMIUM	2/27/2014	0.085	Yes	Υ	J		J	1.2	0.037	mg/kg
LT-C-048-0-2-20140220	480-55087-22	BERYLLIUM	2/27/2014	0.14	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-C-048-0-2-20140220	480-55087-22	BARIUM	2/27/2014	17.1	Yes	Υ		J	J	3.1	0.14	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ARSENIC	2/27/2014	5.1	Yes	Υ	J		J	12.3	0.49	mg/kg
LT-C-048-0-2-20140220	480-55087 - 22	ANTIMONY	2/27/2014		Yes	N	U		U	92.4	0.49	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ALUMINUM	2/27/2014	2240	Yes	Υ		J	J	61.6	5.4	mg/kg
LT-C-048-0-2-20140220	480-55087-22	SELENIUM	2/27/2014		Yes	N	U		υ	24.6	0.49	mg/kg

SDG: 480550871

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
LT-C-048-0-2-20140220	480-5508 7- 22	MAGNESIUM	2/27/2014	608	Yes	Υ				123	1.1	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CALCIUM	2/27/2014	613	Yes	Υ	В	J	J	308	4.1	mg/kg
LT-C-048-2-4-20140220	480-55087-23	MAGNESIUM	2/27/2014	434	Yes	Υ				117	1.1	mg/kg
LT-C-048-2-4-20140220	480-55087-23	MANGANESE	2/27/2014	65.2	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-C-048-2-4-20140220	480-55087-23	NICKEL	2/27/2014	3.8	Yes	Υ	J		J	29.3	0.27	mg/kg
LT-C-048-2-4-20140220	480-55087-23	POTASSIUM	2/27/2014	285	Yes	Υ				176	23.4	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SELENIUM	2/27/2014		Yes	N	U		U	23.4	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-048-2-4-20140220	480-55087-23	LEAD	2/27/2014	4	Yes	Υ	J	J	J	5.9	0.28	mg/kg
LT-C-048-2-4-20140220	480-55087-23	THALLIUM	2/27/2014		Yes	N	U		U	35.1	0.35	mg/kg
LT-C-048-2-4-20140220	480-55087-23	BERYLLIUM	2/27/2014	0.13	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-C-048-2-4-20140220	480-55087-23	VANADIUM	2/27/2014	4	Yes	Υ				2.9	0.13	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SODIUM	2/27/2014	118	Yes	Υ	J		J	820	15.2	mg/kg
LT-C-048-2-4-20140220	480-55087-23	IRON	2/27/2014	4330	Yes	Υ	В			58.6	1.3	mg/kg
LT-C-048-2-4-20140220	480-55087-23	COPPER	2/27/2014	4.6	Yes	Υ	J	J	J	5.9	0.25	mg/kg
LT-C-048-2-4-20140220	480-55087-23	COBALT	2/27/2014	1.9	Yes	Υ	J		J	2.9	0.059	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CHROMIUM, TOTAL	2/27/2014	4.1	Yes	Υ				2.9	0.23	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CADMIUM	2/27/2014	0.055	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-C-048-2-4-20140220	480-55087-23	BARIUM	2/27/2014	13.3	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ARSENIC	2/27/2014	1.5	Yes	Υ	J		J	11.7	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ALUMINUM	2/27/2014	1900	Yes	Υ		J	J	58.6	5.2	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ZINC	2/27/2014	9.6	Yes	Υ	BJ	UJ	UJ	11.7	0.18	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ANTIMONY	2/27/2014		Yes	N	U		U	87.9	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CALCIUM	2/27/2014	548	Yes	Υ	В	J	J	293	3.9	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	CADMIUM	2/27/2014	0.074	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SILVER	2/27/2014		Yes	N	υ		U	3.0	0.24	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SELENIUM	2/27/2014		Yes	N	U		υ	24.2	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	POTASSIUM	2/27/2014	8070	Yes	Υ				181	24.2	mg/kg
LT-C-048-6-8-20140220	480-55087-24	NICKEL	2/27/2014	51	Yes	Υ				30.2	0.28	mg/kg
LT-C-048-6-8-20140220	480-55087-24	MANGANESE	2/27/2014	895	Yes	Υ	В	J	J	1.2	0.039	mg/kg
LT-C-048-6-8-20140220	480-55087-24	LEAD	2/27/2014	2.5	Yes	Υ	J	J	J	6.0	0.29	mg/kg
LT-C-048-6-8-20140220	480-55087-24	COPPER	2/27/2014	28.9	Yes	Υ		J	j	6.0	0.25	mg/kg
LT-C-048-6-8-20140220	480-55087-24	COBALT	2/27/2014	19.8	Yes	Υ				3.0	0.060	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ALUMINUM	2/27/2014	23400	Yes	Υ		J	J	60.4	5.3	mg/kg
LT-C-048-6-8-20140220	480-55087-24	CALCIUM	2/27/2014	7590	Yes	Υ	В	J	J	302	4.0	mg/kg
LT-C-048-6-8-20140220	480-55087-24	MAGNESIUM	2/27/2014	18100	Yes	Υ				121	1.1	mg/kg
LT-C-048-6-8-20140220	480-55087-24	BERYLLIUM	2/27/2014	0.098	Yes	Υ	J		J	1.2	0.034	mg/kg
LT-C-048-6-8-20140220	480-55087-24	BARIUM	2/27/2014	314	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ARSENIC	2/27/2014	5.2	Yes	Υ	J		J	12.1	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ANTIMONY	2/27/2014		Yes	N	U		U	90.7	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	THALLIUM	2/27/2014		Yes	N	U		U	36.3	0.36	mg/kg
LT-C-048-6-8-20140220	480-55087-24	VANADIUM	2/27/2014	65	Yes	Υ				3.0	0.13	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ZINC	2/27/2014	60.6	Yes	Υ	В	J	J	12.1	0.18	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SODIUM	2/27/2014	594	Yes	Υ	J		J	846	15.7	mg/kg
LT-C-048-6-8-20140220	480-55087-24	CHROMIUM, TOTAL	2/27/2014	114	Yes	Υ				3.0	0.24	mg/kg
LT-C-048-6-8-20140220	480-55087-24	IRON	2/27/2014	33700	Yes	Υ	В			60.4	1.3	mg/kg
LT-C-049-0-2-20140220	480-55087-32	COPPER	2/27/2014	21.6	Yes	Υ		J	J	5.3	0.22	mg/kg
LT-C-049-0-2-20140220	480-55087-32	POTASSIUM	2/27/2014	1260	Yes	Υ				159	21.1	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ZINC	2/27/2014	22.8	Yes	Υ	В			10.6	0.16	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	VANADIUM	2/27/2014	10.8	Yes	Υ				2.6	0.12	mg/kg
LT-C-049-0-2-20140220	480-55087-32	THALLIUM	2/27/2014		Yes	N	U		U	31.7	0.32	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SILVER	2/27/2014	1	Yes	Υ	J		J	2.6	0.21	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SELENIUM	2/27/2014	3.5	Yes	Υ	J		J	21.1	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	NICKEL	2/27/2014	13.8	Yes	Υ	J		J	26.4	0.24	mg/kg
LT-C-049-0-2-20140220	480-55087-32	MANGANESE	2/27/2014	171	Yes	Υ	В			1.1	0.034	mg/kg
LT-C-049-0-2-20140220	480-55087-32	MAGNESIUM	2/27/2014	1880	Yes	Υ	В	J	J	106	0.98	mg/kg
LT-C-049-0-2-20140220	480-55087-32	LEAD	2/27/2014	13.2	Yes	Υ		J	J ·	5.3	0.25	mg/kg
LT-C-049-0-2-20140220	480-55087-32	IRON	2/27/2014	9850	Yes	Υ	В			52.9	1.2	mg/kg
LT-C-049-0-2-20140220	480-55087-32	COBALT	2/27/2014	32.2	Yes	Υ				2.6	0.053	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ALUMINUM	2/27/2014	4190	Yes	Υ .		J	J	52.9	4.7	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ANTIMONY	2/27/2014	7.6	Yes	Υ	J	J	J	79.3	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SODIUM	2/27/2014	298	Yes	Υ	J		J	740	13.7	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ARSENIC	2/27/2014	7.8	Yes	Υ	J		J	10.6	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CHROMIUM, TOTAL	2/27/2014	11.5	Yes	Υ		J	J	2.6	0.21	mg/kg
LT-C-049-0-2-20140220	480-55087-32	BARIUM	2/27/2014	50.3	Yes	Υ				2.6	0.12	mg/kg
LT-C-049-0-2-20140220	480-55087-32	BERYLLIUM	2/27/2014	0.12	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CADMIUM	2/27/2014	0.29	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CALCIUM	2/27/2014	3210	Yes	Υ	В			264	3.5	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ARSENIC	2/27/2014	2.6	Yes	Υ	J		J	12.8	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	96.3	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	COBALT	2/27/2014	12.4	Yes	Υ				3.2	0.064	mg/kg
LT-C-049-2-4-20140220	480-55087-33	COPPER	2/27/2014	8.6	Yes	Υ		J	J	6.4	0.27	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ALUMINUM	2/27/2014	9310	Yes	Υ		J	J	64.2	5.6	mg/kg
LT-C-049-2-4-20140220	480-55087-33	MAGNESIUM	2/27/2014	1990	Yes	Υ	В	J	J	128	1.2	mg/kg

SDG: 480550871

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	CADMIUM	2/27/2014	0.067	Yes	Υ	J		J	1.3	0.039	mg/kg
LT-C-049-2-4-20140220	480-55087-33	BERYLLIUM	2/27/2014	0.32	Yes	Υ	J		J	1.3	0.036	mg/kg
LT-C-049-2-4-20140220	480-55087-33	CHROMIUM, TOTAL	2/27/2014	18.1	Yes	Υ		J	J	3.2	0.26	mg/kg
LT-C-049-2-4-20140220	480-55087-33	THALLIUM	2/27/2014		Yes	N	U		U	38.5	0.39	mg/kg
LT-C-049-2-4-20140220	480-55087-33	IRON	2/27/2014	13400	Yes	Υ	В			64.2	1.4	mg/kg
LT-C-049-2-4-20140220	480-55087-33	LEAD	2/27/2014	6.3	Yes	Υ	J	J	J	6.4	0.31	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ZINC	2/27/2014	27.8	Yes	Υ	В			12.8	0.20	mg/kg
LT-C-049-2-4-20140220	480-55087-33	VANADIUM	2/27/2014	23.7	Yes	Υ				3.2	0.14	mg/kg
LT-C-049-2-4-20140220	480-55087-33	CALCIUM	2/27/2014	766	Yes	Υ	В			321	4.2	mg/kg
LT-C-049-2-4-20140220	480-55087-33	BARIUM	2/27/2014	41.1	Yes	Υ				3.2	0.14	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SODIUM	2/27/2014	134	Yes	Υ	J		J	899	16.7	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SILVER	2/27/2014		Yes	N	U		U	3.2	0.26	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SELENIUM	2/27/2014	0.76	Yes	Υ	J		J	25.7	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	POTASSIUM	2/27/2014	692	Yes	Υ				193	25.7	mg/kg
LT-C-049-2-4-20140220	480-55087-33	NICKEL	2/27/2014	10.5	Yes	Υ	J		J	32.1	0.30	mg/kg
LT-C-049-2-4-20140220	480-55087-33	MANGANESE	2/27/2014	151	Yes	Υ	В			1.3	0.041	mg/kg
LT-C-049-8-10-20140220	480-55087-34	COPPER	2/27/2014	10.1	Yes	Υ		J	J	6.3	0.27	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ARSENIC	2/27/2014	1.7	Yes	Υ	J		J	12.7	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	BERYLLIUM	2/27/2014	0.24	Yes	Υ	J		J	1.3	0.035	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CALCIUM	2/27/2014	1710	Yes	Υ	В			316	4.2	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CHROMIUM, TOTAL	2/27/2014	22.2	Yes	Υ		J	J	3.2	0.25	mg/kg
LT-C-049-8-10-20140220	480-55087-34	COBALT	2/27/2014	5.6	Yes	Υ				3.2	0.063	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CADMIUM	2/27/2014	0.072	Yes	Υ	J		J	1.3	0.038	mg/kg
LT-C-049-8-10-20140220	480-55087-34	IRON	2/27/2014	10300	Yes	Υ	В			63.3	1.4	mg/kg
LT-C-049-8-10-20140220	480-55087-34	LEAD	2/27/2014	3.9	Yes	Υ	J	J	J	6.3	0.30	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDI.	Units
LT-C-049-8-10-20140220	480-55087-34	MAGNESIUM	2/27/2014	2820	Yes	Υ	В	J	J	127	1.2	mg/kg
LT-C-049-8-10-20140220	480-55087-34	MANGANESE	2/27/2014	165	Yes	Υ	В			1.3	0.041	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ALUMINUM	2/27/2014	7170	Yes	Υ		J	J	63.3	5.6	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ZINC	2/27/2014	25.6	Yes	Υ	В			12.7	0.19	mg/kg
LT-C-049-8-10-20140220	480-55087-34	BARIUM	2/27/2014	50	Yes	Υ				3.2	0.14	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	94.9	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	POTASSIUM	2/27/2014	1810	Yes	Υ				190	25.3	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SELENIUM	2/27/2014		Yes	N	U		U	25.3	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SILVER	2/27/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-C-049-8-10-20140220	480-55087-34	VANADIUM	2/27/2014	19.6	Yes	Υ				3.2	0.14	mg/kg
LT-C-049-8-10-20140220	480-55087-34	THALLIUM	2/27/2014		Yes	N	U		U	38.0	0.38	mg/kg
LT-C-049-8-10-20140220	480-55087-34	NICKEL	2/27/2014	10	Yes	Υ	J		J	31.6	0.29	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SODIUM	2/28/2014	105	Yes	Υ	J		J	886	16.5	mg/kg
LT-XC-020-02-20140220	480-55087-1	POTASSIUM	2/27/2014	326	Yes	Υ				163	21.8	mg/kg
LT-XC-020-02-20140220	480-55087-1	ZINC	2/27/2014	21.8	Yes	Υ	В	J	j	10.9	0.17	mg/kg
LT-XC-020-02-20140220	480-55087-1	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
LT-XC-020-02-20140220	480-55087-1	SODIUM	2/27/2014	71.5	Yes	Υ	J		J	761	14.1	mg/kg
LT-XC-020-02-20140220	480-55087-1	SELENIUM	2/27/2014	1.5	Yes	Υ	J		J	21.8	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	VANADIUM	2/27/2014	6.9	Yes	Υ				2.7	0.12	mg/kg
LT-XC-020-02-20140220	480-55087-1	NICKEL	2/27/2014	14.6	Yes	Υ	J		J	27.2	0.25	mg/kg
LT-XC-020-02-20140220	480-55087-1	CALCIUM	2/27/2014	15400	Yes	Υ	В	J	J	272	3.6	mg/kg
LT-XC-020-02-20140220	480-55087-1	MAGNESIUM	2/27/2014	8530	Yes	Υ				109	1.0	mg/kg
LT-XC-020-02-20140220	480-55087-1	LEAD	2/27/2014	19.5	Yes	Υ		J	J	5.4	0.26	mg/kg
LT-XC-020-02-20140220	480-55087-1	IRON	2/27/2014	4920	Yes	Υ	В			54.4	1.2	mg/kg
LT-XC-020-02-20140220	480-55087-1	COPPER	2/27/2014	20	Yes	Υ		J	J	5.4	0.23	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	COBALT	2/27/2014	9.4	Yes	Υ				2.7	0.054	mg/kg
LT-XC-020-02-20140220	480-55087-1	CADMIUM	2/27/2014	0.23	Yes	Υ	J		J	1.1	0.033	mg/kg
LT-XC-020-02-20140220	480-55087-1	CHROMIUM, TOTAL	2/27/2014	7.6	Yes	Υ				2.7	0.22	mg/kg
LT-XC-020-02-20140220	480-55087-1	MANGANESE	2/27/2014	97.9	Yes	Υ	В	J	J	1.1	0.035	mg/kg
LT-XC-020-02-20140220	480-55087-1	SILVER	2/27/2014	0.44	Yes	Υ	J		J	2.7	0.22	mg/kg
LT-XC-020-02-20140220	480-55087-1	ALUMINUM	2/27/2014	2470	Yes	Υ		j	J	54.4	4.8	mg/kg
LT-XC-020-02-20140220	480-55087-1	ANTIMONY	2/27/2014	0.63	Yes	Υ	J		J	81.6	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	ARSENIC	2/27/2014	3.4	Yes	Υ	J		J	10.9	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	BARIUM	2/27/2014	16.8	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-XC-020-02-20140220	480-55087-1	BERYLLIUM	2/27/2014	0.12	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	COPPER	2/27/2014	7.8	Yes	Υ		J	J	6.2	0.26	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	COBALT	2/27/2014	6.8	Yes	Υ				3.1	0.062	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CHROMIUM, TOTAL	2/27/2014	10	Yes	Υ				3.1	0.25	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CALCIUM	2/27/2014	639	Yes	Υ	В	J	J	311	4.1	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CADMIUM	2/27/2014	0.057	Yes	Υ	J		J	1.2	0.037	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	BERYLLIUM	2/27/2014	0.28	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ARSENIC	2/27/2014	2.1	Yes	Υ	J		J	12.4	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ANTIMONY	2/27/2014		Yes	N	U		U	93.2	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ALUMINUM	2/27/2014	4280	Yes	Υ		J	J	62.1	5.5	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	BARIUM	2/27/2014	30	Yes	Υ		J	J	3.1	0.14	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	IRON	2/27/2014	12300	Yes	Υ	В			62.1	1.4	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	LEAD	2/27/2014	3.3	Yes	Υ	J	J	J	6.2	0.30	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	MAGNESIUM	2/27/2014	1440	Yes	Υ				124	1.2	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	MANGANESE	2/27/2014	229	Yes	Υ	В	J	J	1.2	0.040	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	NICKEL	2/27/2014	7.3	Yes	Υ	J		J	31.1	0.29	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	POTASSIUM	2/27/2014	1130	Yes	Υ				186	24.9	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SELENIUM	2/27/2014		Yes	N	U		U	24.9	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SODIUM	2/27/2014	170	Yes	Υ	J		J	870	16.2	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ZINC	2/27/2014	27.5	Yes	Υ	В	J	J	12.4	0.19	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	VANADIUM	2/27/2014	14.3	Yes	Υ				3.1	0.14	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	THALLIUM	2/27/2014		Yes	N	U		U	37.3	0.37	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	MAGNESIUM	2/27/2014	1390	Yes	Υ				127	1.2	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	LEAD	2/27/2014	3.1	Yes	Υ	J	J	J	6.4	0.31	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ALUMINUM	2/27/2014	4130	Yes	Υ		J	J	63.6	5.6	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ZINC	2/27/2014	20.3	Yes	Υ	В	J	J	12.7	0.19	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	VANADIUM	2/27/2014	10.9	Yes	Υ				3.2	0.14	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	THALLIUM	2/27/2014		Yes	N	U		U	38.1	0.38	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SODIUM	2/27/2014	136	Yes	Υ	J		J	890	16.5	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SILVER	2/27/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SELENIUM	2/27/2014		Yes	N	U		U	25.4	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	POTASSIUM	2/27/2014	1210	Yes	Υ				191	25.4	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	IRON	2/27/2014	9320	Yes	Υ	В			63.6	1.4	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	MANGANESE	2/27/2014	516	Yes	Υ	В	J	J	1.3	0.041	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ANTIMONY	2/27/2014		Yes	N	U		U	95.4	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	COPPER	2/27/2014	6.4	Yes	Υ		J	J	6.4	0.27	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	COBALT	2/27/2014	5.4	Yes	Υ				3.2	0.064	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CHROMIUM, TOTAL	2/27/2014	13	Yes	Υ				3.2	0.25	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CALCIUM	2/27/2014	400	Yes	Υ	В	J	J	318	4.2	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CADMIUM	2/27/2014	0.055	Yes	Υ	J		J	1.3	0.038	mg/kg

SDG: 480550871

Analytical Method SW6 Sample ID	Lab Sample D	Chemical Name	Anal Date	Daeult	Dopont	Datast	Lob Auci	Vol Augl	Cinol avel	DI	MDI	Units
			Aliai Dare	Result	Report	Detect	Lab Qual	vai ųuai	Final qual	RL	MDL	Allira
LT-XC-020-6-8-20140220	480-55087-3	BERYLLIUM	2/27/2014	0.2	Yes	Υ	J		J	1.3	0.036	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	BARIUM	2/27/2014	31.6	Yes	Υ		J	J	3.2	0.14	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ARSENIC	2/27/2014	1.9	Yes	Υ .	J		J	12.7	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	NICKEL	2/27/2014	8.3	Yes	Υ	J		J	31.8	0.29	mg/kg
Analytical Method SW7	7470A											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672901A	4801672901A	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB027-20140220	480-55087-17	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l
Analytical Method SW7	7471B								-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672421A	4801672421A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0082	mg/kg
4801672441A	4801672441A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0080	mg/kg
4801676151A	4801676151A	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0082	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MERCURY	2/24/2014	0.076	Yes	Υ		J	J	0.022	0.0091	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MERCURY	2/24/2014	0.053	Yes	Υ		J	J	0.021	0.0086	mg/kg
CC-C-042-8-10-20140220	480-55087-7	MERCURY	2/24/2014		Yes	N	U		U	0.021	0.0084	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MERCURY	2/24/2014	0.096	Yes	Υ		J	J	0.021	0.0086	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MERCURY	2/24/2014	0.084	Yes	Υ		J	J	0.021	0.0084	mg/kg
CC-C-043-6-8-20140220	480-55087-10	MERCURY	2/24/2014	0.057	Yes	Υ		J	J	0.021	0.0085	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MERCURY	2/24/2014	0.11	Yes	Υ		J	J	0.020	0.0081	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0079	mg/kg
CC-C-044-8-10-20140220	480-55087-16	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0082	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MERCURY	2/24/2014	0.14	Yes	Υ		J	J	0.022	0.0088	mg/kg
CC-C-043-0-2-20 140220												

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an gamhia m	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
80-55087-21	MERCURY	2/24/2014	0.093	Yes	Υ		J	J	0.022	0.0091	mg/kg
80-55087-25	MERCURY	2/26/2014	0.18	Yes	Υ				0.022	0.0089	mg/kg
80-55087-26	MERCURY	2/24/2014	0.1	Yes	Υ				0.022	0.0090	mg/kg
80-55087 - 28	MERCURY	2/24/2014	0.077	Yes	Υ				0.022	0.0088	mg/kg
80-55087-29	MERCURY	2/24/2014	0.13	Yes	Υ				0.022	0.0091	mg/kg
80-55087-30	MERCURY	2/24/2014	0.11	Yes	Υ				0.021	0.0084	mg/kg
80-55087-31	MERCURY	2/24/2014	0.09	Yes	Y				0.022	0.0091	mg/kg
80-55087-12	MERCURY	2/24/2014	0.071	Yes	Υ		J	J	0.021	0.0086	mg/kg
80-55087-22	MERCURY	2/24/2014	0.032	Yes	Υ		J	J	0.020	0.0083	mg/kg
80-55087-23	MERCURY	2/24/2014	0.012	Yes	Υ	J	J	J	0.021	0.0085	mg/kg
80-55087-24	MERCURY	2/24/2014		Yes	N	U		U	0.024	0.0098	mg/kg
80-55087-32	MERCURY	2/24/2014	0.034	Yes	Υ				0.023	0.0092	mg/kg
80-55087-33	MERCURY	2/24/2014	0.013	Yes	Υ	J		J	0.023	0.0095	mg/kg
80-55087-34	MERCURY	2/24/2014		Yes	N	U		U	0.025	0.010	mg/kg
80-55087-1	MERCURY	2/24/2014	0.12	Yes	Υ		J	J	0.024	0.0096	mg/kg
80-55087-2	MERCURY	2/24/2014		Yes	N	U		U	0.025	0.010	mg/kg
80-55087-3	MERCURY	2/24/2014	0.017	Yes	Υ	J	J	J	0.022	0.0087	mg/kg
В											
ab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
801672571A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.53	ug/kg
801672571A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
801672571A	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.41	ug/kg
801672571A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		υ	1.7	0.30	ug/kg
801672571A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.82	ug/kg
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	30-55087-25 30-55087-26 30-55087-29 30-55087-30 30-55087-31 30-55087-12 30-55087-22 30-55087-23 30-55087-24 30-55087-32 30-55087-34 30-55087-3 30-55087-3 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1 30-55087-1	MERCURY MER	### 200-55087-25 MERCURY 2/26/2014 ### 200-55087-26 MERCURY 2/24/2014 ### 200-55087-28 MERCURY 2/24/2014 ### 200-55087-29 MERCURY 2/24/2014 ### 200-55087-30 MERCURY 2/24/2014 ### 200-55087-30 MERCURY 2/24/2014 ### 200-55087-31 MERCURY 2/24/2014 ### 200-55087-31 MERCURY 2/24/2014 ### 200-55087-32 MERCURY 2/24/2014 ### 200-55087-23 MERCURY 2/24/2014 ### 200-55087-32 MERCURY 2/24/2014 ### 200-55087-32 MERCURY 2/24/2014 ### 200-55087-33 MERCURY 2/24/2014 ### 200-55087-34 MERCURY 2/24/2014 ### 200-55087-34 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/24/2014 ### 200-55087-3 MERCURY 2/25/2014 ### 200-55087-3 MERCURY 2	MERCURY 2/26/2014 0.18 30-55087-26 MERCURY 2/24/2014 0.1 30-55087-28 MERCURY 2/24/2014 0.077 30-55087-29 MERCURY 2/24/2014 0.13 30-55087-30 MERCURY 2/24/2014 0.11 30-55087-31 MERCURY 2/24/2014 0.09 30-55087-31 MERCURY 2/24/2014 0.09 30-55087-12 MERCURY 2/24/2014 0.071 30-55087-12 MERCURY 2/24/2014 0.071 30-55087-22 MERCURY 2/24/2014 0.032 30-55087-23 MERCURY 2/24/2014 0.012 30-55087-24 MERCURY 2/24/2014 0.012 30-55087-32 MERCURY 2/24/2014 0.034 30-55087-32 MERCURY 2/24/2014 0.034 30-55087-33 MERCURY 2/24/2014 0.013 30-55087-34 MERCURY 2/24/2014 0.013 30-55087-34 MERCURY 2/24/2014 0.013 30-55087-3 MERCURY 2/24/2014 0.12 30-55087-3 MERCURY 2/24/2014 0.12 30-55087-3 MERCURY 2/24/2014 0.12 30-55087-1 MERCURY 2/24/2014 0.17 30-55087-1 MERCURY 2/24/2014 0.017	### S0-55087-25 MERCURY	30-55087-25 MERCURY 2/26/2014 0.18 Yes Y 30-55087-26 MERCURY 2/24/2014 0.1 Yes Y 30-55087-28 MERCURY 2/24/2014 0.077 Yes Y 30-55087-29 MERCURY 2/24/2014 0.13 Yes Y 30-55087-30 MERCURY 2/24/2014 0.11 Yes Y 30-55087-31 MERCURY 2/24/2014 0.09 Yes Y 30-55087-31 MERCURY 2/24/2014 0.071 Yes Y 30-55087-12 MERCURY 2/24/2014 0.071 Yes Y 30-55087-22 MERCURY 2/24/2014 0.032 Yes Y 30-55087-23 MERCURY 2/24/2014 0.012 Yes Y 30-55087-24 MERCURY 2/24/2014 0.012 Yes N 30-55087-32 MERCURY 2/24/2014 0.034 Yes N 30-55087-32 MERCURY 2/24/2014 0.034 Yes N 30-55087-34 MERCURY 2/24/2014 0.013 Yes Y 30-55087-34 MERCURY 2/24/2014 0.013 Yes N 30-55087-34 MERCURY 2/24/2014 0.013 Yes N 30-55087-3 MERCURY 2/24/2014 0.12 Yes N 30-55087-3 MERCURY 2/24/2014 0.12 Yes N 30-55087-3 MERCURY 2/24/2014 0.12 Yes N 30-55087-3 MERCURY 2/24/2014 0.12 Yes N 30-55087-3 MERCURY 2/24/2014 0.017 Yes N 30-55087-3 MERCURY 2/24/2014 0.017 Yes N 30-55087-3 MERCURY 2/24/2014 0.017 Yes N 30-55087-3 MERCURY 2/24/2014 0.017 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/25/2014 Yes N 30-55087-1 GAMMA CHLORDANE 2/25/2014 Yes N 30-672571A GAMMA CHLORDANE 2/25/2014 Yes N 30-672571A ALDRIN 2/25/2014 Yes N 30-6672571A ALDRIN 2/25/2014 Yes N 30-6672571A ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014 0.18 Yes Y 30-55087-26 MERCURY 2/24/2014 0.1 Yes Y 30-55087-28 MERCURY 2/24/2014 0.077 Yes Y 30-55087-29 MERCURY 2/24/2014 0.13 Yes Y 30-55087-30 MERCURY 2/24/2014 0.11 Yes Y 30-55087-31 MERCURY 2/24/2014 0.09 Yes Y 30-55087-12 MERCURY 2/24/2014 0.071 Yes Y 30-55087-22 MERCURY 2/24/2014 0.071 Yes Y 30-55087-23 MERCURY 2/24/2014 0.032 Yes Y 30-55087-24 MERCURY 2/24/2014 0.012 Yes Y 30-55087-25 MERCURY 2/24/2014 0.012 Yes N U 30-55087-31 MERCURY 2/24/2014 0.013 Yes Y 30-55087-32 MERCURY 2/24/2014 0.034 Yes Y 30-55087-32 MERCURY 2/24/2014 0.013 Yes Y 30-55087-33 MERCURY 2/24/2014 0.013 Yes Y 30-55087-34 MERCURY 2/24/2014 0.013 Yes Y 30-55087-34 MERCURY 2/24/2014 0.12 Yes N U 30-55087-3 MERCURY 2/24/2014 0.12 Yes N U 30-55087-3 MERCURY 2/24/2014 0.12 Yes N U 30-55087-3 MERCURY 2/24/2014 0.17 Yes N U 30-55087-3 MERCURY 2/24/2014 0.17 Yes N U 30-55087-3 MERCURY 2/24/2014 0.17 Yes N U 30-55087-3 MERCURY 2/24/2014 0.017 Yes N U 30-55087-3 MERCURY 2/24/2014 0.017 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-1 MERCURY 2/24/2014 Yes N U 30-55087-1 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-50672571A GAMMA CHLORDANE 2/25/2014 Yes N U 30-50672571A ALDRIN 2/25/2014 Yes N U 30-50672571A ALDRIN 2/25/2014 Yes N U 30-50672571A ALDRIN 2/25/2014 Yes N U	2/26/2014 0.18 Yes Y 30-55087-26 MERCURY 2/24/2014 0.077 Yes Y 30-55087-28 MERCURY 2/24/2014 0.077 Yes Y 30-55087-29 MERCURY 2/24/2014 0.13 Yes Y 30-55087-29 MERCURY 2/24/2014 0.11 Yes Y 30-55087-30 MERCURY 2/24/2014 0.011 Yes Y 30-55087-31 MERCURY 2/24/2014 0.09 Yes Y 30-55087-31 MERCURY 2/24/2014 0.071 Yes Y 30-55087-12 MERCURY 2/24/2014 0.071 Yes Y J 30-55087-22 MERCURY 2/24/2014 0.032 Yes Y J 30-55087-23 MERCURY 2/24/2014 0.012 Yes Y J 30-55087-24 MERCURY 2/24/2014 0.012 Yes N U 30-55087-31 MERCURY 2/24/2014 0.034 Yes Y J 30-55087-32 MERCURY 2/24/2014 0.034 Yes Y J 30-55087-33 MERCURY 2/24/2014 0.013 Yes Y J 30-55087-34 MERCURY 2/24/2014 0.013 Yes Y J 30-55087-34 MERCURY 2/24/2014 0.013 Yes Y J 30-55087-31 MERCURY 2/24/2014 0.013 Yes Y J 30-55087-31 MERCURY 2/24/2014 Yes N U 30-55087-31 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-1 MERCURY 2/24/2014 Yes N U 30-55087-2 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-55087-1 MERCURY 2/24/2014 Yes N U 30-55087-3 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 2/24/2014 Yes N U 30-65087-1 MERCURY 3/25/2014 Yes N U	2/26/2014 0.18 Yes Y 2/24/2014 0.1 Yes Y 30-55087-26 MERCURY 2/24/2014 0.077 Yes Y 30-55087-28 MERCURY 2/24/2014 0.13 Yes Y 30-55087-29 MERCURY 2/24/2014 0.11 Yes Y 30-55087-30 MERCURY 2/24/2014 0.11 Yes Y 30-55087-31 MERCURY 2/24/2014 0.09 Yes Y 30-55087-31 MERCURY 2/24/2014 0.071 Yes Y 30-55087-12 MERCURY 2/24/2014 0.071 Yes Y 30-55087-22 MERCURY 2/24/2014 0.012 Yes Y 30-55087-23 MERCURY 2/24/2014 0.012 Yes Y 30-55087-24 MERCURY 2/24/2014 0.012 Yes N 30-55087-39 MERCURY 2/24/2014 0.032 Yes Y 30-55087-39 MERCURY 2/24/2014 Yes N 30-55087-39 MERCURY 2/24/2014 0.034 Yes Y 30-55087-39 MERCURY 2/24/2014 0.013 Yes Y 30-55087-39 MERCURY 2/24/2014 0.013 Yes Y 30-55087-39 MERCURY 2/24/2014 Yes N 30-55087-31 MERCURY 2/24/2014 Yes N 30-55087-31 MERCURY 2/24/2014 Yes N 30-55087-31 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-55087-3 MERCURY 2/24/2014 Yes N 30-505087-3 MERCURY 30-50687-3 MERCURY 30-55087-3 MERCURY 30-5087-3 MERCURY 30-55087-3 MER	10,022 10,025087-25 MERCURY 2/26/2014 0.18 Yes Y	10,000 1

Analytical Method	SW8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801672571A	4801672571A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.7	0.21	ug/kg
4801672571A	4801672571A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.7	0.18	ug/kg
4801672571A	4801672571A	BETA ENDOSULFAN	2/25/2014		Yes	N	U	υ	1.7	0.30	ug/kg
4801672571A	4801672571A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	υ	1.7	0.22	ug/kg
4801672571A	4801672571A	DIELDRIN	2/25/2014		Yes	N	U	υ	1.7	0.40	ug/kg
4801672571A	4801672571A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	1.7	0.43	ug/kg
4801672571A	4801672571A	ENDRIN	2/25/2014		Yes	N	U	U	1.7	0.23	ug/kg
4801672571A	4801672571A	TOXAPHENE	2/25/2014		Yes	N	U	U	17	9.6	ug/kg
4801672571A	4801672571A	ENDRIN KETONE	2/25/2014		Yes	N	U	U	1.7	0.41	ug/kg
4801672571A	4801672571A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	υ	1.7	0.20	ug/kg
4801672571A	4801672571A	HEPTACHLOR	2/25/2014		Yes	N	υ	U	1.7	0.26	ug/kg
4801672571A	4801672571A	METHOXYCHLOR	2/25/2014		Yes	N	U	U	1.7	0.23	ug/kg
4801672571A	4801672571A	P,P'-DDD	2/25/2014		Yes	N	U	U	1.7	0.32	ug/kg
4801672571A	4801672571A	P,P'-DDE	2/25/2014		Yes	N	U	U	1.7	0.25	ug/kg
4801672571A	4801672571A	P,P'-DDT	2/25/2014		Yes	N	U	U	1.7	0.17	ug/kg
4801672571A	4801672571A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	υ	1.7	0.31	ug/kg
4801672581A	4801672581A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	υ	U	1.6	0.29	ug/kg
4801672581A	4801672581A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	1.6	0.41	ug/kg
4801672581A	4801672581A	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	1.6	0.52	ug/kg
4801672581A	4801672581A	ALDRIN	2/25/2014		Yes	N	U	U	1.6	0.40	ug/kg
4801672581A	4801672581A	ALPHA CHLORDANE	2/25/2014		Yes	N	U	υ	1.6	0.81	ug/kg
4801672581A	4801672581A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.6	0.18	ug/kg
4801672581A	4801672581A	BETA ENDOSULFAN	2/25/2014		Yes	Ν	U	U	1.6	0.29	ug/kg

Analytical Method	SW8081B											
Sample ID	Lab Sample B	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801672581A	4801672581A	DIELDRIN	2/25/2014		Yes	N	υ		U	1.6	0.39	ug/kg
4801672581A	4801672581A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801672581A	4801672581A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801672581A	4801672581A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	υ		U	1.6	0.42	ug/kg
4801672581A	4801672581A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801672581A	4801672581A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801672581A	4801672581A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801672581A	4801672581A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801672581A	4801672581A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801673451A	4801673451A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
4801673451A	4801673451A	TOXAPHENE	2/25/2014		Yes	N	U		U	0.50	0.12	ug/l
4801673451A	4801673451A	P,P'-DDT	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
4801673451A	4801673451A	P,P'-DDE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
4801673451A	4801673451A	P,P'-DDD	2/25/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801673451A	4801673451A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
4801673451A	4801673451A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801673451A	4801673451A	HEPTACHLOR	2/25/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801673451A	4801673451A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
4801673451A	4801673451A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l

Analytical Method	SW8081B											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
4801673451A	4801673451A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.010	ug/l
4801673451A	4801673451A	ENDRIN	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
4801673451A	4801673451A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
4801673451A	4801673451A	DIELDRIN	2/25/2014		Yes	N	U		υ	0.050	0.0098	ug/l
4801673451A	4801673451A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
4801673451A	4801673451A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	υ		U	0.050	0.011	ug/l
4801673451A	4801673451A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.015	ug/l
4801673451A	4801673451A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801673451A	4801673451A	ALDRIN	2/25/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801673451A	4801673451A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801673451A	4801673451A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	υ		U	0.050	0.025	ug/l
4801674751A	4801674751A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801674751A	4801674751A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801674751A	4801674751A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801674751A	4801674751A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801674751A	4801674751A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.524	Yes	Υ	J		J	1.6	0.21	ug/kg
4801674751A	4801674751A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801674751A	4801674751A	ENDRIN	2/25/2014		Yes	N	υ		U	1.6	0.22	ug/kg
4801674751A	4801674751A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg

Analytical Method	SW8081B								_ 	
Sample ID	Lab Sample D	Chemical Name	Anal Date Result	t Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801674751A	4801674751A	GAMMA BHC (LINDANE)	2/25/2014	Yes	N	U	U	1.6	0.20	ug/kg
4801674751A	4801674751A	GAMMA CHLORDANE	2/25/2014	Yes	N	U	U	1.6	0.52	ug/kg
4801674751A	4801674751A	HEPTACHLOR EPOXIDE	2/25/2014	Yes	N	U	U	1.6	0.42	ug/kg
4801674751A	4801674751A	METHOXYCHLOR	2/25/2014	Yes	N	U	υ	1.6	0.22	ug/kg
4801674751A	4801674751A	ENDOSULFAN SULFATE	2/25/2014	Yes	N	U	U	1.6	0.30	ug/kg
4801674751A	4801674751A	P,P'-DDD	2/25/2014	Yes	N	U	U	1.6	0.32	ug/kg
4801674751A	4801674751A	P,P'-DDE	2/25/2014	Yes	N	U	U	1.6	0.24	ug/kg
4801674751A	4801674751A	P,P'-DDT	2/25/2014	Yes	N	U	U	1.6	0.17	ug/kg
4801674751A	4801674751A	TOXAPHENE	2/25/2014	Yes	N	U	U	16	9.4	ug/kg
4801674751A	480 1 674751A	HEPTACHLOR	2/25/2014	Yes	N	U	U	1.6	0.25	ug/kg
4801674761A	4801674761A	P,P'-DDT	2/25/2014	Yes	N	U	U	1.7	0.17	ug/kg
4801674761A	4801674761A	TOXAPHENE	2/25/2014	Yes	N	U	U	17	9.6	ug/kg
4801674761A	4801674761A	P,P'-DDE	2/25/2014	Yes	N	U	υ	1.7	0.25	ug/kg
4801674761A	4801674761A	HEPTACHLOR	2/25/2014	Yes	N	U	U	1.7	0.26	ug/kg
4801674761A	4801674761A	P,P'-DDD	2/25/2014	Yes	N	U	U	1.7	0.32	ug/kg
4801674761A	4801674761A	ENDRIN	2/25/2014	Yes	N	U	U	1.7	0.23	ug/kg
4801674761A	480 1 674761A	ENDRIN ALDEHYDE	2/25/2014	Yes	N	U	U	1.7	0.42	ug/kg
4801674761A	4801674761A	ENDRIN KETONE	2/25/2014	Yes	N	U	U	1.7	0.41	ug/kg
4801674761A	4801674761A	GAMMA CHLORDANE	2/25/2014	Yes	N	U	U	1.7	0.53	ug/kg
4801674761A	4801674761A	ENDOSULFAN SULFATE	2/25/2014	Yes	N	U	U	1.7	0.31	ug/kg
4801674761A	4801674761A	DIELDRIN	2/25/2014	Yes	N	U	U	1.7	0.40	ug/kg
4801674761A	4801674761A	HEPTACHLOR EPOXIDE	2/25/2014	Yes	N	U	· U	1.7	0.43	ug/kg
4801674761A	4801674761A	METHOXYCHLOR	2/25/2014	Yes	N	U	υ	1.7	0.23	ug/kg
4801674761A	4801674761A	GAMMA BHC (LINDANE)	2/25/2014	Yes	N	U	U	1.7	0.20	ug/kg
4801674761A	4801674761A	ALDRIN	2/25/2014	Yes	N	U	U	1.7	0.41	ug/kg

Analytical Method	SW8081B							-				_
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	al Qual Fina	l qual	RL	MDL	Units
4801674761A	4801674761A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U		1.7	0.22	ug/kg
4801674761A	4801674761A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U		1.7	0.30	ug/kg
4801674761A	4801674761A	ALPHA CHLORDANE	2/25/2014		Yes	N	U	υ		1.7	0.82	ug/kg
4801674761A	4801674761A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	υ	U		1.7	0.21	ug/kg
4801674761A	4801674761A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U		1.7	0.18	ug/kg
4801674761A	4801674761A	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U		1.7	0.30	ug/kg
4801676231A	4801676231A	HEPTACHLOR	2/26/2014		Yes	N	U	U		1.7	0.26	ug/kg
4801676231A	4801676231A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	0.371	Yes	Υ	J	J		1.7	0.22	ug/kg
4801676231A	4801676231A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U	U		1.7	0.21	ug/kg
4801676231A	4801676231A	DIELDRIN	2/26/2014		Yes	N	U	U		1.7	0.40	ug/kg
4801676231A	4801676231A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U	U		1.7	0.31	ug/kg
4801676231A	4801676231A	ENDRIN	2/26/2014		Yes	N	U	U		1.7	0.23	ug/kg
4801676231A	4801676231A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U	U		1.7	0.42	ug/kg
4801676231A	4801676231A	ENDRIN KETONE	2/26/2014		Yes	N	U	U		1.7	0.41	ug/kg
4801676231A	4801676231A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U	υ		1.7	0.20	ug/kg
4801676231A	4801676231A	GAMMA CHLORDANE	2/26/2014		Yes	N	U	U		1.7	0.53	ug/kg
4801676231A	4801676231A	BETA ENDOSULFAN	2/26/2014		Yes	N	U	U		1.7	0.30	ug/kg
4801676231A	4801676231A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	υ		1.7	0.30	ug/kg
4801676231A	4801676231A	METHOXYCHLOR	2/26/2014		Yes	N	U	U		1.7	0.23	ug/kg
4801676231A	4801676231A	P,P'-DDD	2/26/2014		Yes	N	U	U		1.7	0.32	ug/kg
4801676231A	4801676231A	P,P'-DDE	2/26/2014		Yes	N	U	U		1.7	0.25	ug/kg
4801676231A	4801676231A	P,P'-DDT	2/26/2014		Yes	Ν	U	U		1.7	0.17	ug/kg
4801676231A	4801676231A	TOXAPHENE	2/26/2014		Yes	N	U	U		17	9.6	ug/kg

Analytical Method SW8	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676231A	4801676231A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676231A	4801676231A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.83	ug/kg
4801676231A	4801676231A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676231A	4801676231A	ALDRIN	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDT	2/25/2014	80	Yes	Υ	J		J	190	19	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN	2/25/2014		Yes	N	U		U	190	26	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-042-0-2-20140220	480-55087-4	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	26	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	48	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEPTACHLOR	2/25/2014		Yes	N	U		U	190	29	ug/kg
CC-C-042-0-2-20140220	480-55087-4	GAMMA CHLORDANE	2/25/2014		Yes	N	U		υ	190	59	ug/kg
CC-C-042-0-2-20140220	480-55087-4	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN KETONE	2/25/2014		Yes	N	U		υ	190	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDE	2/25/2014		Yes	N	U		U	190	28	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIELDRIN	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BETA ENDOSULFAN	2/25/2014		Yes	N	υ		U	190	33	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	190	92	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALDRIN	2/25/2014		Yes	N	U		U	190	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	1900	1100	ug/kg

Analytical Method SW	3081B		<u> </u>									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDD	2/25/2014	51	Yes	Υ	J	J	J	190	36	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	190	35	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDD	2/25/2014	29	Yes	Υ	J		J	91	18	ug/kg
CC-C-042-2-4-20140220	480-55087-5	METHOXYCHLOR	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEPTACHLOR	2/25/2014		Yes	N	υ		U	91	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	GAMMA CHLORDANE	2/25/2014	55	Yes	Υ	J		J	91	29	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDT	2/25/2014	42	Yes	Υ	J		J	91	9.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	91	17	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDE	2/25/2014	24	Yes	Υ	J		J	91	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA CHLORDANE	2/25/2014	49	Yes	Υ	J	J	J	91	45	ug/kg
CC-C-042-2-4-20140220	480-55087-5	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	910	530	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN KETONE	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-8-10-20140220	480-55087-7	TOXAPHENE	2/25/2014		Yes	N	U		U	17	10	ug/kg

Analytical Method SW8	Lab Camula T	Ohamiaal Nama	Seed Det	D	D	D-4		W-10 :		-		IIni4-
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN	2/25/2014		Yes	N	U		U	1.7	0.24	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.87	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.22	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.19	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIELDRIN	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.7	0.32	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDT	2/25/2014	0.68	Yes	Υ	J		J	1.7	0.18	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN ALDEHYDE	2/25/2014		Yes	N	υ		U	1.7	0.44	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN KETONE	2/25/2014	0.49	Yes	Υ	J		J	1.7	0.43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.7	0.21	ug/kg
CC-C-042-8-10-20140220	480-55087-7	GAMMA CHLORDANE	2/25/2014	0.55	Yes	Υ	J		J	1.7	0.55	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.7	0.27	ug/kg
CC-C-042-8-10-20140220	480-55087-7	METHOXYCHLOR	2/25/2014		Yes	N	U		υ	1.7	0.24	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDD	2/25/2014		Yes	N	U		U	1.7	0.34	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDE	2/25/2014		Yes	N	U		U	1.7	0.26	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.7	0.45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	180	34	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIELDRIN	2/25/2014		Yes	N	U		U	180	44	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	24	ug/kg
CC-C-043-0-2-20140220	480-55087-8	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	1800	1100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	20	ug/kg
CC-C-043-0-2-20140220	480-55087-8	METHOXYCHLOR	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	180	91	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	υ		U	180	33	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALDRIN	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	33	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDT	2/25/2014	72	Yes	Υ	J		j	180	19	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDD	2/25/2014	52	Yes	Υ	J		j	180	36	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	180	47	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEPTACHLOR	2/25/2014		Yes	N	U		U	180	29	ug/kg
CC-C-043-0-2-20140220	480-55087-8	GAMMA CHLORDANE	2/25/2014	66	Yes	Υ	J		J	180	58	ug/kg
CC-C-043-0-2-20140220	480-55087-8	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		υ	180	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN KETONE	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	180	47	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDE	2/25/2014		Yes	N	υ		U	180	27	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIELDRIN	2/25/2014	5.8	Yes	Υ	J		J	18	4.3	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA CHLORDANE	2/25/2014	16	Yes	Υ	J		J	18	8.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg

Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual \	fal Qual Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	18	1.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	18	2.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN	2/25/2014		Yes	N	U	U	18	2.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN KETONE	2/25/2014		Yes	N	U	U	18	4.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	18	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDT	2/25/2014	11	Yes	Υ	J	J	18	1.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	18	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	18	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	TOXAPHENE	2/25/2014		Yes	N	U	U	180	100	ug/kg
CC-C-043-2-4-20140220	480-55087-9	GAMMA CHLORDANE	2/25/2014	16	Yes	Υ	J	J	18	5.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDE	2/25/2014	9.1	Yes	Υ	J	J	18	2.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDD	2/25/2014	22	Yes	Υ			18	3.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	METHOXYCHLOR	2/25/2014	6	Yes	Υ	J	J	18	2.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEPTACHLOR EPOXIDE	2/25/2014	•	Yes	N	U	U	18	4.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEPTACHLOR	2/25/2014		Yes	N	U	U	18	2.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN	2/26/2014		Yes	N	U	υ	93	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	TOXAPHENE	2/26/2014		Yes	N	υ	U	930	540	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALDRIN	2/26/2014		Yes	N	υ	U	93	23	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA CHLORDANE	2/26/2014		Yes	N	U	U	93	46	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U	U	93	12	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	U	93	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BETA ENDOSULFAN	2/26/2014		Yes	N	U	U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	20	Yes	Υ	BJ	J	93	12	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	DIELDRIN	2/26/2014		Yes	N	U		U	93	22	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	93	24	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN KETONE	2/26/2014		Yes	N	U		U	93	23	ug/kg
CC-C-043-6-8-20140220	480-55087-10	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		υ	93	11	ug/kg
CC-C-043-6-8-20140220	480-55087-10	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	93	30	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEPTACHLOR	2/26/2014		Yes	N	U		U	93	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	93	24	ug/kg
CC-C-043-6-8-20140220	480-55087-10	METHOXYCHLOR	2/26/2014		Yes	N	U		U	93	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDD	2/26/2014		Yes	N	U		U	93	18	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDT	2/26/2014		Yes	N	U		U	93	9.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDE	2/26/2014		Yes	N	U		U	93	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDD	2/25/2014	29	Yes	Υ	J		J	91	18	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALDRIN	2/25/2014		Yes	N	U		υ	91	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	91	45	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.9	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDT	2/25/2014	42	Yes	Υ	J	J	91	9.3	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN	2/25/2014		Yes	N	U	U	91	13	ug/kg
CC-C-044-0-2-20140220	480-55087-13	TOXAPHENE	2/25/2014		Yes	N	U	U	910	530	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN KETONE	2/25/2014		Yes	N	U	U	91	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	91	11	ug/kg
CC-C-044-0-2-20140220	480-55087-13	GAMMA CHLORDANE	2/25/2014	42	Yes	Υ	J	J	91	29	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEPTACHLOR	2/25/2014		Yes	N	U	U	91	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	91	24	ug/kg
CC-C-044-0-2-20140220	480-55087-13	METHOXYCHLOR	2/25/2014		Yes	N	U	U	91	13	ug/kg
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDE	2/25/2014	26	Yes	Υ	J	J	91	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	91	17	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.7	0.23	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN KETONE	2/25/2014		Yes	N	U	U	1.7	0.43	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALDRIN	2/25/2014		Yes	N	U	U	1.7	0.43	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.7	0.31	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	1.7	0.86	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	υ	1.7	0.22	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.7	0.19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.7	0.31	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIELDRIN	2/25/2014		Yes	N	U	U	1.7	0.42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	1.7	0.32	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	1.7	0.44	ug/kg
CC-C-044-4-6-20140220	480-55087-14	TOXAPHENE	2/25/2014		Yes	N	U	U	17	10	ug/kg
CC-C-044-4-6-20140220	480-55087-14	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	1.7	0.21	ug/kg

Analytical Method SW8	081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val (Qual Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	GAMMA CHLORDANE	2/25/2014	0.62	Yes	Υ	J	J	1.7	0.55	ug/kg
CC-C-044-4-6-20140220	480-5508 7- 14	HEPTACHLOR	2/25/2014		Yes	N	U	U	1.7	0.27	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	1.7	0.45	ug/kg
CC-C-044-4-6-20140220	480-55087-14	METHOXYCHLOR	2/25/2014		Yes	N	U	U	1.7	0.24	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDD	2/25/2014		Yes	N	U	U	1.7	0.34	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDE	2/25/2014		Yes	N	U	U	1.7	0.26	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDT	2/25/2014	0.68	Yes	Υ	J	J	1.7	0.18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN	2/25/2014		Yes	N	U	U	1.7	0.24	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.8	0.19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	1.8	0.33	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.8	0.24	ug/kg
CC-C-044-8-10-20140220	480-55087-16	METHOXYCHLOR	2/25/2014		Yes	N	U	U	1.8	0.25	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	1.8	0.46	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEPTACHLOR	2/25/2014		Yes	N	U	U	1.8	0.28	ug/kg
CC-C-044-8-10-20140220	480-55087-16	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	1.8	0.57	ug/kg
CC-C-044-8-10-20140220	480-55087-16	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	1.8	0.22	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN KETONE	2/25/2014		Yes	N	U	U	1.8	0.44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDE	2/25/2014		Yes	N	U	U	1.8	0.27	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN	2/25/2014		Yes	N	U	U	1.8	0.25	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDT	2/25/2014		Yes	N	U	U	1.8	0.18	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIELDRIN	2/25/2014		Yes	N	U	U	1.8	0.43	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.8	0.32	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.8	0.22	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	1.8	0.89	ug/kg

Analytical Method SW8	1-b0	Ohamiaal Nama		D "	D	D-2 5		W-16 :		-		11
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quat	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.32	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALDRIN	2/25/2014		Yes	N	U		υ	1.8	0.44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	18	10	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.8	0.46	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDD	2/25/2014		Yes	N	U		U	1.8	0.35	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	89	23	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDT	2/25/2014	44	Yes	Υ	J		J	89	9.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDE	2/25/2014	26	Yes	Υ	J		J	89	13	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDD	2/25/2014	26	Yes	Υ	J		J	89	17	ug/kg
CC-C-045-0-2-20140220	480-55087-18	METHOXYCHLOR	2/25/2014	21	Yes	Υ	J		J	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	89	23	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	89	16	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEPTACHLOR	2/25/2014		Yes	N	U		U	89	14	ug/kg
CC-C-045-0-2-20140220	480-55087-18	GAMMA CHLORDANE	2/25/2014	41	Yes	Υ	J		J	89	28	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN KETONE	2/25/2014		Yes	N	U		U	89	22	ug/kg
CC-C-045-0-2-20140220	480-55087-18	TOXAPHENE	2/25/2014		Yes	N	U		U	890	520	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN	2/25/2014		Yes	N	U		U	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	89	17	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIELDRIN	2/25/2014		Yes	N	U		U	89	21	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	9.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	89	44	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	16	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	ALDRIN	2/25/2014		Yes	N	U		U	89	22	ug/kg
CC-C-045-0-2-20140220	480-55087-18	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	υ		U	89	11	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	89	11	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDE	2/25/2014	34	Yes	Υ	J	J	J	91	14	ug/kg
CC-C-045-4-6-20140220	480-55087-19	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	910	530	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDT	2/25/2014	44	Yes	Υ	J		J	91	9.3	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	91	24	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEPTACHLOR	2/25/2014		Yes	N	U		U	91	14	ug/kg
CC-C-045-4-6-20140220	480-55087-19	GAMMA CHLORDANE	2/25/2014	47	Yes	Υ	J		J	91	29	ug/kg
CC-C-045-4-6-20140220	480-55087-19	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN KETONE	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN	2/25/2014		Yes	N	U		υ	91	13	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	91	17	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.9	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA CHLORDANE	2/25/2014	46	Yes	Υ	J		J	91	45	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDD	2/25/2014	30	Yes	Υ	J	J	J	91	18	ug/kg
CC-C-045-4-6-20140220	480-55087-19	METHOXYCHLOR	2/25/2014	49	Yes	Υ	J	J	J	91	13	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg

Analytical Method SW8	3081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	METHOXYCHLOR	2/25/2014	22	Yes	Υ	J	J	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEPTACHLOR	2/25/2014		Yes	N	U	U	90	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDD	2/25/2014	28	Yes	Υ	J	J	90	18	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDT	2/25/2014		Yes	N	U	U	90	9.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	TOXAPHENE	2/25/2014		Yes	N	U	U	900	530	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	90	23	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALDRIN	2/25/2014		Yes	N	U	U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	υ	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDE	2/25/2014	28	Yes	Υ	J	J	90	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	90	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	90	45	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	90	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BETA ENDOSULFAN	2/25/2014		Yes	N	U	υ	90	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	GAMMA CHLORDANE	2/25/2014	40	Yes	Υ	J	J	90	29	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIELDRIN	2/25/2014		Yes	N	U	U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	90	17	ug/kg
CC-C-045-8-10-20140220	480-55087-21	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	90	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN	2/25/2014		Yes	N	U	U	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	90	23	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN KETONE	2/25/2014		Yes	N	U	U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	90	9.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	P,P'-DDE	2/25/2014	10	Yes	Υ	J	J J	37	5.6	ug/kg
CC-C-046-0-2-20140220	480-55087-25	TOXAPHENE	2/25/2014		Yes	N	U	U	370	220	ug/kg
CC-C-046-0-2-20140220	480-55087-25	P,P'-DDT	2/25/2014		Yes	N	U	U	37	3.8	ug/kg

	ab Sample D	Chemical Name										
CC-C-046-0-2-20140220 4		Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
	180-55087-25	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	:	υ	37	6.9	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ALDRIN	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	P,P'-DDD	2/25/2014	9.5	Yes	Υ	J		J	37	7.2	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.9	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	37	9.6	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ENDRIN	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	37	9.5	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ENDRIN KETONE	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	GAMMA BHC (LINDANE)	2/25/2014		Yes	Ν	U		U	37	4.6	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	GAMMA CHLORDANE	2/25/2014	27	Yes	Υ	J		J	37	12	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	METHOXYCHLOR	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.9	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	HEPTACHLOR	2/25/2014		Yes	N	U		U	37	5.8	ug/kg
CC-C-046-0-2-20140220 4	480-55087-25	ALPHA CHLORDANE	2/25/2014	23	Yes	Υ	J	J	J	37	18	ug/kg
CC-C-046-4-6-20140220 4	480-55087-26	P,P'-DDE	2/25/2014	12	Yes	Υ	J	J	J	36	5.5	ug/kg
CC-C-046-4-6-20140220 4	480-55087-26	P,P'-DDT	2/25/2014	21	Yes	Υ	J	J	J	36	3.7	ug/kg
CC-C-046-4-6-20140220 4	480-55087-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	6.5	ug/kg
CC-C-046-4-6-20140220 4	480-55087-26	P,P'-DDD	2/25/2014	14	Yes	Υ	J		J	36	7.1	ug/kg
CC-C-046-4-6-20140220 4	480-55087-26	METHOXYCHLOR	2/25/2014		Yes	N	υ		U	36	5.0	ug/kg

Analytical Method SW808	31B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	υ		U	36	9.4	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEPTACHLOR	2/25/2014		Yes	N	υ		U	36	5.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	GAMMA CHLORDANE	2/25/2014	29	Yes	Υ	J		J	36	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	GAMMA BHC (LINDANE)	2/25/2014	7.4	Yes	Υ	J		J	36	4.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALDRIN	2/25/2014		Yes	N	U		U	36	8.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	TOXAPHENE	2/25/2014		Yes	N	U		U	360	210	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALPHA CHLORDANE	2/25/2014	26	Yes	Υ	J	J	J	36	18	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIELDRIN	2/25/2014		Yes	N	U		U	36	8.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	4.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	6.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN KETONE	2/25/2014	9	Yes	Υ	J	J	J	36	8.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	4.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	36	6.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014	4.1	Yes	Υ	J	JN	JN	36	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	36	9.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN	2/25/2014		Yes	N	U		U	36	5.0	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDD	2/25/2014	4.8	Yes	Υ	J		J	19	3.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN	2/25/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	19	4.7	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN KETONE	2/25/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	19	2.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	GAMMA CHLORDANE	2/25/2014	8	Yes	Υ	J		J	19	5.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	TOXAPHENE	2/25/2014		Yes	N	U		υ	190	110	ug/kg

Analytical Method SW8	081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL_	Units
CC-C-046-8-10-20140220	480-55087-28	DIELDRIN	2/25/2014		Yes	N	U,		U	19	4.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BETA ENDOSULFAN	2/25/2014		Yes	N	U		υ	19	3.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDT	2/25/2014	7.8	Yes	Υ	J		J	19	1.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	METHOXYCHLOR	2/25/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEPTACHLOR	2/25/2014		Yes	N	U		U	19	2.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	2.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	19	9.2	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	3.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALDRIN	2/25/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.0	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDE	2/25/2014	5	Yes	Υ	J		J	19	2.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	METHOXYCHLOR	2/25/2014		Yes	N	U		U	36	4.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	3.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALDRIN	2/25/2014		Yes	N	U		U	36	8.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	6.4	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	36	9.2	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIELDRIN	2/25/2014		Yes	N	U		U	36	8.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	4.5	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDT	2/25/2014	20	Yes	Υ	J		J	36	3.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEPTACHLOR	2/25/2014		Yes	N	U		U	36	5.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	6.4	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	GAMMA CHLORDANE	2/25/2014	35	Yes	Υ	J		J	36	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	36	4.4	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN KETONE	2/25/2014		Yes	N	U		U	36	8.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	36	6.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN	2/25/2014		Yes	N	U		U	36	4.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDD	2/25/2014		Yes	N	U		U	36	6.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	36	9.1	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	9.5	Yes	Υ	BJ		J	36	4.7	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDE	2/25/2014		Yes	N	U		U	36	5.3	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA CHLORDANE	2/25/2014	32	Yes	Υ	J	J	J	36	18	ug/kg
CC-C-047-0-2-20140220	480-55087-29	TOXAPHENE	2/25/2014		Yes	N	U		U	360	210	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	48	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	24	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		υ	190	34	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN KETONE	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEPTACHLOR	2/25/2014		Yes	N	U		υ	190	29	ug/kg
CC-C-047-2-4-20140220	480-55087-30	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDD	2/25/2014		Yes	N	U		U	190	36	ug/kg

SDG: 480550871

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Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	vai quai	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDT	2/25/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	TOXAPHENE	2/25/2014		Yes	N	U		U	1900	1100	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDE	2/25/2014		Yes	N	U		U	190	28	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	190	92	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIELDRIN	2/25/2014		Yes	N	U		U	190	44	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALDRIN	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	190	59	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDT	2/25/2014	19	Yes	Υ	J	J	J	37	3.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	37	6.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	37	9.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN KETONE	2/25/2014		Yes	N	υ		U	37	9.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	TOXAPHENE	2/25/2014		Yes	N	U		U	370	220	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	37	18	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDD	2/25/2014	11	Yes	Υ	J		J	37	7.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	37	4.6	ug/kg

Analytical Method SW8	081B							· · · · · · · · · · · · · · · · · · ·			
Sample iD	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL_	Units
CC-C-047-8-10-20140220	480-55087-31	GAMMA CHLORDANE	2/25/2014	20	Yes	Υ	J	j	37	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEPTACHLOR	2/25/2014		Yes	N	U	U	37	5.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	37	9.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	METHOXYCHLOR	2/25/2014		Yes	N	U	U	37	5.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALDRIN	2/25/2014		Yes	N	U	U	37	9.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDE	2/25/2014	11	Yes	Υ	J	J	37	5.6	ug/kg
DUP026-20140220	480-55087-12	TOXAPHENE	2/25/2014		Yes	N	U	U	1800	1100	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDE	2/25/2014		Yes	N	U	U	180	27	ug/kg
DUP026-20140220	480-55087-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	180	33	ug/kg
DUP026-20140220	480-55087-12	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	180	90	ug/kg
DUP026-20140220	480-55087-12	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	180	23	ug/kg
DUP026-20140220	480-55087-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	180	20	ug/kg
DUP026-20140220	480-55087-12	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	180	33	ug/kg
DUP026-20140220	480-55087-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	180	24	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDT	2/25/2014	80	Yes	Υ	J	J	180	18	ug/kg
DUP026-20140220	480-55087-12	ALDRIN	2/25/2014		Yes	N	U	U	180	45	ug/kg
DUP026-20140220	480-55087-12	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	180	34	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDD	2/25/2014	49	Yes	Υ	J	J	180	35	ug/kg
DUP026-20140220	480-55087-12	DIELDRIN	2/25/2014		Yes	N	U	U	180	44	ug/kg
DUP026-20140220	480-55087-12	ENDRIN	2/25/2014		Yes	N	U	U	180	25	ug/kg
DUP026-20140220	480-55087-12	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	180	46	ug/kg
DUP026-20140220	480-55087-12	ENDRIN KETONE	2/25/2014		Yes	N	U	U	180	45	ug/kg
DUP026-20140220	480-55087-12	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	180	22	ug/kg
DUP026-20140220	480-55087-12	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	180	58	ug/kg

Analytical Method	SW8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	RL	MDL	Units
DUP026-20140220	480-55087-12	HEPTACHLOR	2/25/2014		Yes	N	υ	U	180	28	ug/kg
DUP026-20140220	480-55087-12	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	υ	U	180	47	ug/kg
DUP026-20140220	480-55087-12	METHOXYCHLOR	2/25/2014		Yes	N	U	U	180	25	ug/kg
FB027-20140220	480-55087-17	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	0.050	0.0053	ug/l
FB027-20140220	480-55087-17	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U	U	0.050	0.016	ug/l
FB027-20140220	480-55087-17	ALDRIN	2/25/2014		Yes	N	U	U	0.050	0.0067	ug/l
FB027-20140220	480-55087-17	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	0.050	0.015	ug/l
FB027-20140220	480-55087-17	TOXAPHENE	2/25/2014		Yes	N	U	U	0.50	0.12	ug/l
FB027-20140220	480-55087-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	0.050	0.025	ug/l
FB027-20140220	480-55087-17	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	0.050	0.010	ug/l
FB027-20140220	480-55087-17	DIELDRIN	2/25/2014		Yes	N	U	U	0.050	0.0099	ug/l
FB027-20140220	480-55087-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.0085	Yes	Υ	J	J	0.050	0.0067	ug/l
FB027-20140220	480-55087-17	ENDRIN	2/25/2014		Yes	N	U	U	0.050	0.014	ug/l
FB027-20140220	480-55087-17	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	0.050	0.016	ug/l
FB027-20140220	480-55087-17	ENDRIN KETONE	2/25/2014		Yes	N	U	U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	0.050	0.0061	ug/l
FB027-20140220	480-55087-17	P,P'-DDE	2/25/2014		Yes	N	U	U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	HEPTACHLOR	2/25/2014		Yes	N	U	υ	0.050	0.0086	ug/l
FB027-20140220	480-55087-17	METHOXYCHLOR	2/25/2014		Yes	N	U	U	0.050	0.014	ug/l
FB027-20140220	480-55087-17	P,P'-DDD	2/25/2014		Yes	N	U	U	0.050	0.0093	ug/l
FB027-20140220	480-55087-17	P,P'-DDT	2/25/2014		Yes	N	U	U	0.050	0.011	ug/l
FB027-20140220	480-55087-17	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	0.050	0.011	ug/l
FB027-20140220	480-55087-17	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	0.050	0.011	ug/l

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.44	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN	2/25/2014		Yes	Ν	U		U	1.9	0.26	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALDRIN	2/25/2014		Yes	N	U		υ	1.9	0.46	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.92	ug/kg
LT-C-048-0-2-20140220	480-55087-22	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.59	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-C-048-0-2-20140220	480-55087-22	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDD	2/25/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDE	2/25/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDT	2/25/2014	0.75	Yes	Υ	J		J	1.9	0.19	ug/kg
LT-C-048-0-2-20140220	480-55087-22	TOXAPHENE	2/25/2014		Yes	N	U		U	19	11	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	18	5.9	ug/kg

Analytical Method SW	8081B											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDD	2/25/2014		Yes	N	U		U	18	3.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDE	2/25/2014		Yes	N	U		U	18	2.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDT	2/25/2014		Yes	N	U		υ	18	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	18	9.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	υ		U	18	4.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALDRIN	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.50	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	1.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	UJ	ΠΊ	2.0	0.25	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.27	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIELDRIN	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.48	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.0	0.38	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDT	2/25/2014		Yes	N	U		U	2.0	0.21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.0	0.25	ug/kg
LT-C-048-6-8-20140220	480-55087-24	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	0.64	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEPTACHLOR	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.32	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.52	ug/kg
LT-C-048-6-8-20140220	480-55087-24	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDD	2/25/2014		Yes	N	U		U	2.0	0.39	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDE	2/25/2014		Yes	N	U		U	2.0	0.30	ug/kg
LT-C-048-6-8-20140220	480-55087-24	TOXAPHENE	2/25/2014		Yes	N	U		U	20	12	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	37	6.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEPTACHLOR	2/25/2014		Yes	N	U		U	37	5.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	P,P'-DDE	2/25/2014		Yes	N	U		υ	37	5.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.8	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	ALDRIN	2/25/2014		Yes	N	U	υ	37	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U	U	37	4.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	υ	U	37	6.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN	2/25/2014		Yes	N	U	U	37	5.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	37	18	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	37	4.6	ug/kg
LT-C-049-0-2-20140220	480-55087 - 32	P,P'-DDT	2/25/2014		Yes	N	U	U	37	3.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	P,P'-DDD	2/25/2014		Yes	N	U	U	37	7.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	METHOXYCHLOR	2/25/2014		Yes	N	U	υ	37	5.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	37	9.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	37	12	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN KETONE	2/25/2014		Yes	N	U	U	37	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN ALDEHYDE	2/25/2014		Yes	N	υ	U	37	9.4	ug/kg
LT-C-049-0-2-20140220	480-55087-32	TOXAPHENE	2/25/2014		Yes	N	U	U	370	210	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDOSULFAN SULFATE	2/25/2014	0.93	Yes	Υ	J	J	1.9	0.36	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.9	0.21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	GAMMA CHLORDANE	2/25/2014		Yes	N	U	U	1.9	0.61	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEPTACHLOR	2/25/2014		Yes	N	U	υ	1.9	0.30	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	U	1.9	0.50	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.9	0.35	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA ENDOSULFAN	2/25/2014		Yes	N	υ	U	1.9	0.24	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN KETONE	2/25/2014		Yes	N	U	U	1.9	0.47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	1.9	0.96	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN	2/25/2014		Yes	N	U	U	1.9	0.27	ug/kg

Analytical Method SW	3081B								_	<u> </u>		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALDRIN	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-049-2-4-20140220	480-55087-33	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.27	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDE	2/25/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDT	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-C-049-2-4-20140220	480-55087-33	TOXAPHENE	2/25/2014		Yes	N	U		U	19	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDD	2/25/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN ALDEHYDE	2/25/2014		Yes	N	υ		U	1.9	0.49	ug/kg
LT-C-049-8-10-20140220	480-55087-34	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.1	0.26	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.37	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.1	1.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.1	0.26	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.27	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIELDRIN	2/25/2014		Yes	N	U		U	2.1	0.50	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.1	0.39	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN	2/25/2014		Yes	N	U		U	2.1	0.29	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALDRIN	2/25/2014		Yes	N	U		U	2.1	0.51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.1	0.51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.1	0.37	ug/kg

Analytical Method SW	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	GAMMA CHLORDANE	2/25/2014		Yes	N	U		υ	2.1	0.66	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEPTACHLOR	2/25/2014		Yes	N	U		U	2.1	0.32	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	2.1	0.53	ug/kg
LT-C-049-8-10-20140220	480-55087-34	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.1	0.29	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDD	2/25/2014		Yes	N	U		U	2.1	0.40	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDE	2/25/2014		Yes	N	U		U	2.1	0.31	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDT	2/25/2014		Yes	N	U		U	2.1	0.21	ug/kg
LT-C-049-8-10-20140220	480-55087-34	TOXAPHENE	2/25/2014		Yes	N	U		U	21	12	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.1	0.53	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDRIN KETONE	2/25/2014		Yes	N	U		U	190	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	35	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA CHLORDANE	2/25/2014		Yes	N	υ		U	190	97	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	24	ug/kg
LT-XC-020-02-20140220	480-55087-1	TOXAPHENE	2/25/2014		Yes	N	U		U	1900	1100	ug/kg
LT-XC-020-02-20140220	480-55087-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	35	ug/kg
LT-XC-020-02-20140220	480-55087-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	26	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIELDRIN	2/25/2014		Yes	N	U		U	190	47	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	190	36	ug/kg
LT-XC-020-02-20140220	480-55087-1	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	24	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	50	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDT	2/25/2014	80	Yes	Υ	J		J	190	20	ug/kg
LT-XC-020-02-20140220	480-55087-1	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	190	62	ug/kg
LT-XC-020-02-20140220	480-55087-1	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	27	ug/kg

Analytical Method SW	3081B								. =			
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	ALDRIN	2/25/2014		Yes	N	U		U	190	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEPTACHLOR	2/25/2014		Yes	N	U		U	190	30	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	50	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDD	2/25/2014	52	Yes	Υ	J		J	190	38	ug/kg
LT-XC-020-02-20140220	480 - 55087-1	ENDRIN	2/25/2014		Yes	N	U		U	190	27	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDE	2/25/2014		Yes	N	U		U	190	29	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.26	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDD	2/25/2014		Yes	N	U		U	2.0	0.39	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEPTACHLOR	2/25/2014		Yes	N	U		υ	2.0	0.32	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDE	2/25/2014		Yes	N	U		U	2.0	0.30	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALDRIN	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.22	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	0.64	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	υ		U	2.0	0.36	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.27	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIELDRIN	2/25/2014		Yes	N	U .		U	2.0	0.49	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDT	2/25/2014		Yes	N	U		U	2.0	0.21	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	TOXAPHENE	2/25/2014		Yes	N	U		U	20	12	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.0	0.38	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.0	0.25	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg

Analytical Method SW8	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	1.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.94	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDD	2/25/2014	0.47	Yes	Υ	J		J	1.9	0.37	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDE	2/25/2014	0.51	Yes	Υ	J		J	1.9	0.28	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDT	2/25/2014	0.85	Yes	Υ	J		j	1.9	0.19	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	TOXAPHENE	2/25/2014		Yes	N	U		υ	19	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALDRIN	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.60	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673298A	4801673298A	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U	U	100	4.8	ug/kg
4801673298A	4801673298A	N-BUTYLBENZENE	2/25/2014		Yes	N	U	υ	100	29	ug/kg
4801673298A	4801673298A	CHLOROBENZENE	2/25/2014		Yes	N	U	U	100	13	ug/kg
4801673298A	4801673298A	CHLOROETHANE	2/25/2014		Yes	N	U	U	100	21	ug/kg
4801673298A	4801673298A	CHLOROFORM	2/25/2014		Yes	N	U	U	100	69	ug/kg
4801673298A	4801673298A	CHLOROMETHANE	2/25/2014		Yes	N	U	U	100	24	ug/kg
4801673298A	4801673298A	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U	υ	100	28	ug/kg
4801673298A	4801673298A	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U	U	100	24	ug/kg
4801673298A	4801673298A	CYCLOHEXANE	2/25/2014		Yes	N	U	U	100	22	ug/kg
4801673298A	4801673298A	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U	U	100	48	ug/kg
4801673298A	4801673298A	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U	U	100	44	ug/kg
4801673298A	4801673298A	ETHYLBENZENE	2/25/2014		Yes	N	U	U	100	29	ug/kg
4801673298A	4801673298A	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U	U	100	15	ug/kg
4801673298A	4801673298A	METHYL ACETATE	2/25/2014		Yes	N	U	U	100	48	ug/kg
4801673298A	4801673298A	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U	U	100	26	ug/kg
4801673298A	4801673298A	METHYLENE CHLORIDE	2/25/2014		Yes	N	U	U	100	20	ug/kg
4801673298A	4801673298A	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U	U	500	300	ug/kg
4801673298A	4801673298A	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U	U	100	28	ug/kg
4801673298A	4801673298A	TOLUENE	2/25/2014		Yes	N	U	υ	100	27	ug/kg
4801673298A	4801673298A	XYLENES, TOTAL	2/25/2014		Yes	N	U	U	200	17	ug/kg
4801673298A	4801673298A	VINYL CHLORIDE	2/25/2014		Yes	N	U	U	100	34	ug/kg
4801673298A	4801673298A	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U	U	100	47	ug/kg
4801673298A	4801673298A	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U	υ	100	28	ug/kg
4801673298A	4801673298A	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U	U	100	24	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673298A	4801673298A	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U	U	100	13	ug/kg
4801673298A	4801673298A	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U	U	100	38	ug/kg
4801673298A	4801673298A	T-BUTYLBENZENE	2/25/2014		Yes	N	U	U	100	28	ug/kg
4801673298A	4801673298A	STYRENE	2/25/2014		Yes	N	U	υ	100	24	ug/kg
4801673298A	4801673298A	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U	U	100	37	ug/kg
4801673298A	4801673298A	N-PROPYLBENZENE	2/25/2014		Yes	Ν	U	U	100	26	ug/kg
4801673298A	4801673298A	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U	U	500	32	ug/kg
4801673298A	4801673298A	BROMOMETHANE	2/25/2014		Yes	N	U	U	100	22	ug/kg
4801673298A	4801673298A	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U	U	100	30	ug/kg
4801673298A	4801673298A	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U	U	100	27	ug/kg
4801673298A	4801673298A	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U	U	100	14	ug/kg
4801673298A	4801673298A	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U	U	100	16	ug/kg
4801673298A	4801673298A	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U	υ	4000	2300	ug/kg
4801673298A	4801673298A	2-HEXANONE	2/25/2014		Yes	N	U	U	500	210	ug/kg
4801673298A	4801673298A	ACETONE	2/25/2014		Yes	N	U	U	500	410	ug/kg
4801673298A	4801673298A	BENZENE	2/25/2014		Yes	N	U	U	100	4.8	ug/kg
4801673298A	4801673298A	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U	υ	100	47	ug/kg
4801673298A	4801673298A	BROMOFORM	2/25/2014		Yes	N	υ	U	100	50	ug/kg
4801673298A	4801673298A	CARBON DISULFIDE	2/25/2014		Yes	N	U	U	100	46	ug/kg
4801673298A	4801673298A	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U	U	100	35	ug/kg
4801673298A	4801673298A	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U	U	100	16	ug/kg
4801673298A	4801673298A	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/25/2014		Yes	N	U	U	100	50	ug/kg
4801673298A	4801673298A	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U	U	100	21	ug/kg
4801673298A	4801673298A	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U	. U	100	20	ug/kg

Analytical Method SW8	3260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673298A	4801673298A	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	100	31	ug/kg
4801673298A	4801673298A	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	38	ug/kg
4801673298A	4801673298A	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	100	50	ug/kg
4801673298A	4801673298A	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	100	3.8	ug/kg
4801673298A	4801673298A	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	26	ug/kg
4801673298A	4801673298A	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	100	41	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CYCLOHEXANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	N-BUTYLBENZENE	2/25/2014		Yes	N	U		U	550	160	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	550	110	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYLCYCLOHEXANE	2/25/2014	560	Yes	Υ				550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	2800	180	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U		U	2800	1600	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ACETATE	2/25/2014	520	Yes	Υ	J		J	550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ISOPROPYLBENZENE (CUMENE)	2/25/2014	2100	Yes	Υ				550	83	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ETHYLBENZENE	2/25/2014	180	Yes	Υ	J		j	550	160	ug/kg
CC-C-051-8-10-20140221	480-55087-36	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	550	240	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BROMOMETHANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	STYRENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	550	250	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROBENZENE	2/25/2014	890	Yes	Υ				550	73	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROETHANE	2/25/2014		Yes	N	U		U	550	110	ug/kg

Analytical Method SW82	260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55087-36	BROMOFORM	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROFORM	2/25/2014		Yes	N	U		U	550	380	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROMETHANE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	550	270	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2,4-TRIMETHYLBENZENE	2/25/2014	640	Yes	Υ				550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	77	ug/kg
CC-C-051-8-10-20140221	480-55087-36	SEC-BUTYLBENZENE	2/25/2014	5200	Yes	Υ				550	200	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U		U	550	90	ug/kg
CC-C-051-8-10-20140221	480-55087-36	N-PROPYLBENZENE	2/25/2014	6600	Yes	Υ				550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	550	170	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	22000	13000	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	210	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	550	21	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	550	230	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U		U	550	89	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	550	170	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U		U	550	190	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TOLUENE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	150	ug/kg

SDG: 480550871

Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55087-36	T-BUTYLBENZENE	2/25/2014		Yes	N	U	-	U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	550	74	ug/kg
CC-C-051-8-10-20140221	480-55087-36	2-HEXANONE	2/25/2014		Yes	N	U		U	2800	1100	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	550	26	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ACETONE	2/25/2014		Yes	N	U	UJ	UJ	2800	2300	ug/kg
CC-C-051-8-10-20140221	480-55087-36	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	550	180	ug/kg
CC-C-051-8-10-20140221	480-55087-36	XYLENES, TOTAL	2/25/2014	310	Yes	Υ	J		J	1100	93	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	550	110	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BENZENE	2/25/2014		Yes	N	U		U	550	26	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	υ		U	550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U		U	550	210	ug/kg
Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	41	ug/kg
4801672651A	4801672651A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672651A	4801672651A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		υ	320	58	ug/kg
4801672651A	4801672651A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		υ	170	45	ug/kg
4801672651A	4801672651A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.7	ug/kg
4801672651A	4801672651A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	36	ug/kg
4801672651A	4801672651A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.4	ug/kg
4801672651A	4801672651A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	170	17	ug/kg
4801672651A	4801672651A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672651A	4801672651A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.0	ug/kg
4801672651A	4801672651A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672651A	4801672651A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	57	ug/kg
4801672651A	4801672651A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672651A	4801672651A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	170	9.0	ug/kg
4801672651A	4801672651A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.2	ug/kg
4801672651A	4801672651A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672651A	4801672651A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	170	50	ug/kg
4801672651A	4801672651A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672651A	4801672651A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672651A	4801672651A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672651A	4801672651A	NITROBENZENE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801672651A	4801672651A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Quai Val Qu	al Final qual	RL	MDL	Units
4801672651A	4801672651A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	320	57	ug/kg
4801672651A	4801672651A	PHENANTHRENE	2/25/2014		Yes	N	U	U	170	3.5	ug/kg
4801672651A	4801672651A	PHENOL	2/25/2014		Yes	N	U	U	170	17	ug/kg
4801672651A	4801672651A	PYRENE	2/25/2014		Yes	N	U	U	170	1.1	ug/kg
4801672651A	4801672651A	FLUORENE	2/25/2014		Yes	N	U	U	170	3.8	ug/kg
4801672651A	4801672651A	ACENAPHTHENE	2/25/2014		Yes	N	U	U	170	1.9	ug/kg
4801672651A	4801672651A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U	U	170	5.1	ug/kg
4801672651A	4801672651A	2-NITROANILINE	2/25/2014		Yes	N	U	U	320	53	ug/kg
4801672651A	4801672651A	2-NITROPHENOL	2/25/2014		Yes	N	U	U	170	7.6	ug/kg
4801672651A	4801672651A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U	U	170	150	ug/kg
4801672651A	4801672651A	3-NITROANILINE	2/25/2014		Yes	N	U	U	320	38	ug/kg
4801672651A	4801672651A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U	U	320	57	ug/kg
4801672651A	4801672651A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	U	170	53	ug/kg
4801672651A	4801672651A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U	U	170	6.8	ug/kg
4801672651A	4801672651A	4-CHLOROANILINE	2/25/2014		Yes	N	U	U	170	49	ug/kg
4801672651A	4801672651A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	U	170	3.5	ug/kg
4801672651A	4801672651A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U	U	320	9.2	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U	U	170	14	ug/kg
4801672651A	4801672651A	4-NITROPHENOL	2/25/2014		Yes	N	υ	U	320	40	ug/kg
4801672651A	4801672651A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U	U	170	2.0	ug/kg
4801672651A	4801672651A	ACENAPHTHYLENE	2/25/2014		Yes	N	U	U	170	1.4	ug/kg
4801672651A	4801672651A	ACETOPHENONE	2/25/2014		Yes	N	U	U	170	8.5	ug/kg
4801672651A	4801672651A	ANTHRACENE	2/25/2014		Yes	N	U	U	170	4.2	ug/kg
4801672651A	4801672651A	ATRAZINE	2/25/2014		Yes	N	U	U	170	7.4	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual Va	al Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672651A	4801672651A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg
4801672651A	4801672651A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672651A	4801672651A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.2	ug/kg
4801672651A	4801672651A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	1.8	ug/kg
4801672651A	4801672651A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	4-NITROANILINE	2/25/2014		Yes	N	U		U	320	19	ug/kg
4801672841A	4801672841A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	υ		U	170	41	ug/kg
4801672841A	4801672841A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672841A	4801672841A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672841A	4801672841A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672841A	4801672841A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	54	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	υ		U	170	18	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	170	14	ug/kg
4801672841A	4801672841A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.1	ug/kg
4801672841A	4801672841A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672841A	4801672841A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		υ	170	4.4	ug/kg
4801672841A	4801672841A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.3	ug/kg
4801672841A	4801672841A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672841A	4801672841A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample 10	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672841A	4801672841A	BENZALDEHYDE	2/25/2014		Yes	N	U		υ	170	18	ug/kg
4801672841A	480167 2 841A	ATRAZINE	2/25/2014		Yes	N	υ		U	170	7.5	ug/kg
4801672841A	4801672841A	ANTHRACENE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672841A	4801672841A	ACETOPHENONE	2/25/2014		Yes	N	U		U	170	8.6	ug/kg
4801672841A	4801672841A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	170	1.4	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg
4801672841A	4801672841A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672841A	4801672841A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		υ	330	59	ug/kg
4801672841A	4801672841A	PYRENE	2/25/2014		Yes	N	U		U	170	1.1	ug/kg
4801672841A	4801672841A	PHENOL	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672841A	4801672841A	PHENANTHRENE	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672841A	4801672841A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	330	57	ug/kg
4801672841A	4801672841A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.2	ug/kg
4801672841A	4801672841A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672841A	4801672841A	NITROBENZENE	2/25/2014		Yes	N	U		υ	170	7.4	ug/kg
4801672841A	4801672841A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672841A	4801672841A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.4	ug/kg
4801672841A	4801672841A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	1.8	ug/kg
4801672841A	4801672841A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672841A	4801672841A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		υ	170	51	ug/kg
4801672841A	4801672841A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.6	ug/kg
4801672841A	4801672841A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672841A	4801672841A	FLUORENE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672841A	4801672841A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672841A	4801672841A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg

Analytical Method	SW8270D		_		-							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672841A	4801672841A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	58	ug/kg
4801672841A	4801672841A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672841A	4801672841A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672841A	4801672841A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672841A	4801672841A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	330	41	ug/kg
4801672841A	4801672841A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	Ų		U	170	37	ug/kg
4801672841A	4801672841A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672841A	4801672841A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.8	ug/kg
4801672841A	4801672841A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672841A	4801672841A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		υ	170	11	ug/kg
4801672841A	4801672841A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672841A	4801672841A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	170	5.2	ug/kg
4801672841A	4801672841A	2-NITROANILINE	2/25/2014		Yes	N	U		U	330	54	ug/kg
4801672841A	4801672841A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	170	7.7	ug/kg
4801672841A	4801672841A	3-NITROANILINE	2/25/2014		Yes	N	U		U	330	39	ug/kg
4801672841A	4801672841A	4-NITROANILINE	2/25/2014		Yes	N	U		U	330	19	ug/kg
4801672841A	4801672841A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		υ	330	58	ug/kg
4801672841A	4801672841A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		υ	170	53	ug/kg
4801672841A	4801672841A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	170	6.9	ug/kg
4801672841A	4801672841A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	170	150	ug/kg
4801672841A	4801672841A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	330	9.3	ug/kg
4801672841A	4801672841A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	170	49	ug/kg
4801672841A	4801672841A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	3.6	ug/kg
4801673471A	4801673471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	Ν	U		U	5.0	1.8	ug/l

Analytical Method	SW8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673471A	4801673471A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.73	ug/l
4801673471A	4801673471A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U	U	5.0	0.65	ug/l
4801673471A	4801673471A	PYRENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
4801673471A	4801673471A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U	U	5.0	0.52	ug/l
4801673471A	4801673471A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
4801673471A	4801673471A	CAPROLACTAM	2/25/2014		Yes	N	U	U	5.0	2.2	ug/l
4801673471A	4801673471A	CARBAZOLE	2/25/2014		Yes	N	U	U	5.0	0.30	ug/l
4801673471A	4801673471A	CHRYSENE	2/25/2014		Yes	N	υ	U	5.0	0.33	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
4801673471A	4801673471A	ATRAZINE	2/25/2014		Yes	N	U	U	5.0	0.46	ug/l
4801673471A	4801673471A	BENZO(A)PYRENE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
4801673471A	4801673471A	BENZALDEHYDE	2/25/2014		Yes	N	U	U	5.0	0.27	ug/l
4801673471A	4801673471A	ACENAPHTHENE	2/25/2014		Yes	N	U	U	5.0	0.41	ug/l
4801673471A	4801673471A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
4801673471A	4801673471A	ACENAPHTHYLENE	2/25/2014		Yes	N	U	U	5.0	0.38	ug/l
4801673471A	4801673471A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
4801673471A	4801673471A	ACETOPHENONE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l
4801673471A	4801673471A	ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.28	ug/l
4801673471A	4801673471A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
4801673471A	4801673471A	HEXACHLOROETHANE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
4801673471A	4801673471A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.22	ug/l
4801673471A	4801673471A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
4801673471A	4801673471A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l

Analytical Method	SW8270D						-				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qu	al RL	MDL	Units
4801673471A	4801673471A	4-NITROPHENOL	2/25/2014		Yes	N	U	U	10	1.5	ug/l
4801673471A	4801673471A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.31	ug/l
4801673471A	4801673471A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
4801673471A	4801673471A	FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l
4801673471A	4801673471A	FLUORENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
4801673471A	4801673471A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
4801673471A	4801673471A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U	U	5.0	0.68	ug/l
4801673471A	4801673471A	DIBENZOFURAN	2/25/2014		Yes	N	U	U	10	0.51	ug/l
4801673471A	4801673471A	ISOPHORONE	2/25/2014		Yes	N	U	U	5.0	0.43	ug/l
4801673471A	4801673471A	NAPHTHALENE	2/25/2014		Yes	N	U	U	5.0	0.76	ug/l
4801673471A	4801673471A	NITROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.29	ug/l
4801673471A	4801673471A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l
4801673471A	4801673471A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
4801673471A	4801673471A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	10	2.2	ug/l
4801673471A	4801673471A	PHENANTHRENE	2/25/2014		Yes	N	U	U	5.0	0.44	ug/l
4801673471A	4801673471A	PHENOL	2/25/2014		Yes	N	U	U	5.0	0.39	ug/l
4801673471A	4801673471A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U	U	5.0	0.45	ug/l
4801673471A	4801673471A	4-NITROANILINE	2/25/2014		Yes	N	U	U	10	0.25	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
4801673471A	4801673471A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U	U	5.0	0.48	ug/l
4801673471A	4801673471A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U	U	5.0	0.61	ug/l
4801673471A	4801673471A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U	U	10	2.2	ug/l
4801673471A	4801673471A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l

Analytical Method	SW8270D							. "				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
4801673471A	4801673471A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
4801673471A	4801673471A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
4801673471A	4801673471A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
4801673471A	4801673471A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
4801673471A	4801673471A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
4801674241A	4801674241A	ATRAZINE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg
4801674241A	4801674241A	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	170	4.0	ug/kg
4801674241A	4801674241A	ANTHRACENE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.9	ug/kg
4801674241A	4801674241A	BENZALDEHYDE	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	3.2	ug/kg
4801674241A	4801674241A	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	1.8	ug/kg
4801674241A	4801674241A	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	170	10	ug/kg
4801674241A	4801674241A	ACETOPHENONE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	3-NITROANILINE	2/27/2014		Yes	N	U		U	330	38	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	170	9.0	ug/kg
4801674241A	4801674241A	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	170	1.4	ug/kg
4801674241A	4801674241A	ACENAPHTHENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	4-NITROPHENOL	2/27/2014		Yes	N	U		U	330	40	ug/kg
4801674241A	4801674241A	4-NITROANILINE	2/27/2014		Yes	N	U		υ	330	19	ug/kg
4801674241A	4801674241A	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	330	9.3	ug/kg
4801674241A	4801674241A	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	170	49	ug/kg
4801674241A	4801674241A	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	170	6.8	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	υ		U	170	14	ug/kg
4801674241A	4801674241A	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	FLUORANTHENE	2/27/2014		Yes	N	U		U	170	2.4	ug/kg
4801674241A	4801674241A	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	170	150	ug/kg
4801674241A	4801674241A	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		υ	170	53	ug/kg
4801674241A	4801674241A	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	PYRENE	2/27/2014		Yes	N	U		U	170	1.1	ug/kg
4801674241A	4801674241A	PHENOL	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	PHENANTHRENE	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	170	9.1	ug/kg
4801674241A	4801674241A	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	NITROBENZENE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	NAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.8	ug/kg
4801674241A	4801674241A	ISOPHORONE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	170	4.6	ug/kg
4801674241A	4801674241A	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	58	ug/kg
4801674241A	4801674241A	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	170	17	ug/kg
4801674241A	4801674241A	FLUORENE	2/27/2014		Yes	N	U		U	170	3.8	ug/kg
4801674241A	4801674241A	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	170	3.9	ug/kg
4801674241A	4801674241A	2-NITROPHENOL	2/27/2014		Yes	N	U		U	170	7.6	ug/kg
4801674241A	4801674241A	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	5.0	ug/kg
4801674241A	4801674241A	DIBENZOFURAN	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	CHRYSENE	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	CARBAZOLE	2/27/2014		Yes	N	U		U	170	1.9	ug/kg
4801674241A	4801674241A	CAPROLACTAM	2/27/2014		Yes	N	U		U	170	72	ug/kg
4801674241A	4801674241A	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	170	54	ug/kg
4801674241A	4801674241A	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	170	50	ug/kg
4801674241A	4801674241A	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	36	ug/kg
4801674241A	4801674241A	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	170	5.1	ug/kg
4801674241A	4801674241A	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	170	11	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	41	ug/kg
4801674241A	4801674241A	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	26	ug/kg
4801674241A	4801674241A	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	330	58	ug/kg
4801674241A	4801674241A	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.7	ug/kg
4801674241A	4801674241A	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	2-NITROANILINE	2/27/2014		Yes	N	U		U	330	53	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZALDEHYDE	2/25/2014		Yes	N	U	R	R	190	21	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	83	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	190	17	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIBENZOFURAN	2/25/2014	17	Yes	Υ	J		J	190	2.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	190	5.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIBENZ(A,H)ANTHRACENE	2/25/2014	54	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CHRYSENE	2/25/2014	440	Yes	Υ				190	1.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014	87	Yes	Υ	J		J	190	62	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ATRAZINE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	12	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(K)FLUORANTHENE	2/25/2014	400	Yes	Υ				190	2.1	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(G,H,I)PERYLENE	2/25/2014	300	Yes	Υ				190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(B)FLUORANTHENE	2/25/2014	420	Yes	Υ				190	3.7	ug/kg

Analytical Method SW8	270D					-					,	
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	BENZO(A)PYRENE	2/25/2014	360	Yes	Υ				190	4.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(A)ANTHRACENE	2/25/2014	410	Yes	Υ				190	3.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CARBAZOLE	2/25/2014	23	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-METHYLNAPHTHALENE	2/25/2014	16	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	42	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	13	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	190	52	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-NITROPHENOL	2/25/2014		Yes	N	U	UJ	UJ	370	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-NITROANILINE	2/25/2014		Yes	N	U		U	370	21	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	UJ	UJ	190	58	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	370	67	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	30	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-NITROPHENOL	2/25/2014		Yes	N	U		U	190	8.7	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ANTHRACENE	2/25/2014	93	Yes	Υ	J		J	190	4.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-NITROANILINE	2/25/2014		Yes	N	U		U	370	61	ug/kg
CC-C-042-0-2-20140220	480-55087-4	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	190	170	ug/kg
CC-C-042-0-2-20140220	480-55087-4	3-NITROANILINE	2/25/2014		Yes	N	U		U	370	44	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	370	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	61	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	190	7.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	190	56	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	370	11	ug/kg

Analytical Method SW8	270D						_					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	ACENAPHTHENE	2/25/2014	23	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ACENAPHTHYLENE	2/25/2014	42	Yes	Υ	J		J	190	1.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ACETOPHENONE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	190	13	ug/kg
CC-C-042-0-2-20140220	480-55087-4	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROETHANE	2/25/2014		Yes	N	U		υ	190	15	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	4.1	ug/kg
CC-C-042-0-2-20140220	480-55087-4	INDENO(1,2,3-C,D)PYRENE	2/25/2014	350	Yes	Υ				190	5.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ISOPHORONE	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	NAPHTHALENE	2/25/2014		Yes	N	U		υ	190	3.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	FLUORENE	2/25/2014	28	Yes	Υ	J		J	190	4.4	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	190	4.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	UJ	UJ	190	51	ug/kg
CC-C-042-0-2-20140220	480-55087-4	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	190	15	ug/kg
CC-C-042-0-2-20140220	480-55087-4	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	370	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PHENANTHRENE	2/25/2014	360	Yes	Υ				190	4.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PHENOL	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PYRENE	2/25/2014	840	Yes	Υ				190	1.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	FLUORANTHENE	2/25/2014	540	Yes	Υ				190	2.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	180	160	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-CHLOROPHENOL	2/26/2014		Yes	N	U		υ	180	9.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	350	63	ug/kg

Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Oual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROISOPROPYL) ETHER			Yes	N	U		U	180	19	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(A)PYRENE	2/26/2014	270	Yes	Υ				180	4.4	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(B)FLUORANTHENE	2/26/2014	340	Yes	Υ				180	3.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(G,H,I)PERYLENE	2/26/2014	220	Yes	Υ				180	2.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(K)FLUORANTHENE	2/26/2014	140	Yes	Υ	J		J	180	2.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-NITROANILINE	2/26/2014		Yes	N	U		U	350	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-METHYLNAPHTHALENE	2/26/2014	4.4	Yes	Υ	J		J	180	2.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PYRENE	2/26/2014	550	Yes	Υ		J	J	180	1.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	350	63	ug/kg
CC-C-042-2-4-20140220	480-55087-5	3-NITROANILINE	2/26/2014		Yes	N	U		U	350	42	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(A)ANTHRACENE	2/26/2014	250	Yes	Υ				180	3.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-042-2-4-20140220	480-55087-5	NAPHTHALENE	2/26/2014	9.9	Yes	Υ	J		J	180	3.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-042-2-4-20140220	480-55087-5	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	350	62	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	350	44	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	PHENOL	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROETHANE	2/26/2014		Yes	N	Ü		U	180	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		Ü	180	49	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	44	ug/kg
CC-C-042-2-4-20140220	480-5508 7- 5	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PHENANTHRENE	2/26/2014	190	Yes	Υ				180	3.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	110	Yes	Υ	J		J	180	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	78	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CARBAZOLE	2/26/2014	14	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CHRYSENE	2/26/2014	250	Yes	Υ				180	1.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIBENZ(A,H)ANTHRACENE	2/26/2014	63	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIBENZOFURAN	2/26/2014	8.4	Yes	Υ	J		J	180	1.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-042-2-4-20140220	480-55087-5	INDENO(1,2,3-C,D)PYRENE	2/26/2014	220	Yes	Υ				180	5.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	FLUORANTHENE	2/26/2014	360	Yes	Υ				180	2.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	FLUORENE	2/26/2014	14	Yes	Υ	J		J	180	4.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	9.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		υ	180	9.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	υ		υ	180	55	ug/kg
												

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	49	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ATRAZINE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ANTHRACENE	2/26/2014	52	Yes	Υ	J		J	180	4.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACENAPHTHYLENE	2/26/2014	12	Yes	Υ	J		J	180	1.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-NITROANILINE	2/26/2014		Yes	N	U		U	350	20	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACENAPHTHENE	2/26/2014	15	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	350	10	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-042-8-10-20140220	480-55087-7	CHRYSENE	2/26/2014		Yes	N	U		U	180	1.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	51	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	Ν	U		υ	180	3.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	38	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	υ		U	180	4.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.6	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.3	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PHENOL	2/26/2014		Yes	N	U		U	180	18	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PYRENE	2/26/2014		Yes	N	U		U	180	1.1	ug/kg
CC-C-042-8-10-20140220	480-55087 - 7	DIBENZOFURAN	2/26/2014		Yes	N	U		U	180	1.8	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	340	61	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	27	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	8.9	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-NITROANILINE	2/26/2014		Yes	N	U		U	340	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	47	ug/kg
CC-C-042-8-10-20140220	480-55087-7	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	180	150	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(K)FLUORANTHENE	2/26/2014		Yes	Ν	U		U	180	1.9	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	47	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ANTHRACENE	2/26/2014		Yes	N	U		U	180	4.5	ug/kg
CC-C-042-8-10-20140220	480-55087 - 7	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ATRAZINE	2/26/2014		Yes	N	U		U	180	7.8	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	15	ug/kg
CC-C-042-8-10-20140220	480-55087-7	3-NITROANILINE	2/26/2014		Yes	N	U		U	340	40	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		υ	340	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	NAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.9	ug/kg
CC-C-042-8-10-20140220	480-55087 - 7	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	76	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZALDEHYDE	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	Ü		U	340	9.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		υ	180	9.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ISOPHORONE	2/26/2014		Yes	N	U		υ	180	8.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	CARBAZOLE	2/26/2014		Yes	N	U		υ	180	2.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	120	Yes	Υ	J		j	180	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	NITROBENZENE	2/26/2014		Yes	N	U		U	180	7.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-8-10-20140220	480-55087 - 7	FLUORANTHENE	2/26/2014		Yes	N	υ		U	180	2.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	FLUORENE	2/26/2014		Yes	N	U		U	180	4.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-NITROPHENOL	2/26/2014		Yes	N	U		υ	340	42	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	180	1.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	υ		υ	180	3.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACENAPHTHENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	8.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-NITROANILINE	2/26/2014		Yes	N	U		U	340	20	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	18	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PHENANTHRENE	2/26/2014		Yes	N	U		U	180	3.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	8.9	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(A)PYRENE	2/26/2014	1100	Yes	Υ	J		J	1900	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZALDEHYDE	2/26/2014		Yes	N	υ	R	R	1900	210	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(K)FLUORANTHENE	2/26/2014	630	Yes	Υ	J		J	1900	21	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACENAPHTHYLENE	2/26/2014	92	Yes	Υ	J		J	1900	15	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	500	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	610	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ATRAZINE	2/26/2014		Yes	N	U		U	1900	84	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(B)FLUORANTHENE	2/26/2014	1500	Yes	Υ	J		J	1900	36	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ANTHRACENE	2/26/2014	380	Yes	Υ	J		J	1900	48	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(G,H,I)PERYLENE	2/26/2014	920	Yes	Υ	J		J	1900	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3700	100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-NITROANILINE	2/26/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(A)ANTHRACENE	2/26/2014	1200	Yes	Υ	J	J	J	1900	32	ug/kg
CC-C-043-0-2-20140220	480-55087-8	FLUORENE	2/26/2014	110	Yes	Υ	J		J	1900	43	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CHRYSENE	2/26/2014	1200	Yes	Υ	J	J	J	1900	19	ug/kg
CC-C-043-0-2-20140220	480-55087-8	FLUORANTHENE	2/26/2014	1800	Yes	Υ	J		J	1900	27	ug/kg

Analytical motion	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL_	Units
CC-C-043-0-2-20140220	480-55087-8	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DINITROPHENOL	2/26/2014		Yes	N	υ	UJ	UJ	3700	660	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIBENZOFURAN	2/26/2014		Yes	N	U		U	1900	20	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CARBAZOLE	2/26/2014	110	Yes	Υ	J		J	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3700	460	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-043-0-2-20140220	480-55087-8	NAPHTHALENE	2/26/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	υ		U	1900	410	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		υ	1900	93	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	570	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-043-0-2-20140220	480-55087-8	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-043-0-2-20140220	480-55087-8	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-043-0-2-20140220	480-55087-8	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg

Analytical Method SW	8270D											
Sample 1D	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	PHENANTHRENE	2/26/2014	1400	Yes	Υ	J		J	1900	39	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PHENOL	2/26/2014		Yes	N	υ		U	1900	200	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PYRENE	2/26/2014	2600	Yes	Υ				1900	12	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACENAPHTHENE	2/26/2014	130	Yes	Υ	J		J	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	INDENO(1,2,3-C,D)PYRENE	2/26/2014	1100	Yes	Υ	J		J	1900	52	ug/kg
CC-C-043-0-2-20140220	480-55087-8	3-NITROANILINE	2/26/2014		Yes	N	U		U	3700	430	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	44	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	86	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-NITROANILINE	2/26/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-METHYLNAPHTHALENE	2/26/2014	25	Yes	Υ	J		J	1900	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		υ	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	FLUORANTHENE	2/26/2014	530	Yes	Υ				190	2.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	FLUORENE	2/26/2014	45	Yes	Υ	J		J	190	4.3	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	56	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROETHANE	2/26/2014		Yes	N	U		Ņ	190	14	ug/kg
CC-C-043-2-4-20140220	480-55087-9	INDENO(1,2,3-C,D)PYRENE	2/26/2014	400	Yes	Υ				190	5.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	40	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	45	ug/kg
CC-C-043-2-4-20140220	480-55087-9	NAPHTHALENE	2/26/2014	21	Yes	Υ	J		J	190	3.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	NITROBENZENE	2/26/2014		Yes	N	U		υ	190	8.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIBENZ(A,H)ANTHRACENE	2/26/2014	67	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ANTHRACENE	2/26/2014	110	Yes	Υ	J		J	190	4.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	190	15	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	96	Yes	Υ	J		J	190	60	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	80	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIBENZOFURAN	2/26/2014	22	Yes	Υ	J		J	190	1.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CHRYSENE	2/26/2014	450	Yes	Υ				190	1.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	64	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	29	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	65	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	50	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	190	4.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CARBAZOLE	2/26/2014	30	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		υ	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	20	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	21	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLOROANILINE	2/26/2014		Yes	N	U		υ	190	54	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	59	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-043-2-4-20140220	480-55087-9	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-METHYLNAPHTHALENE	2/26/2014	12	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PYRENE	2/26/2014	940	Yes	Υ				190	1.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PHENOL	2/26/2014		Yes	N	U		U	190	19	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	4-NITROPHENOL	2/26/2014		Yes	N	U	U	360	45	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZYL BUTYL PHTHALATE	2/26/2014	71	Yes	Υ	J	J	190	50	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(K)FLUORANTHENE	2/26/2014	180	Yes	Υ	J	J	190	2.0	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(G,H,I)PERYLENE	2/26/2014	320	Yes	Υ			190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACENAPHTHENE	2/26/2014	31	Yes	Υ	J	J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(A)PYRENE	2/26/2014	380	Yes	Υ			190	4.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(A)ANTHRACENE	2/26/2014	390	Yes	Υ			190	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ATRAZINE	2/26/2014		Yes	N	U	U	190	8.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACETOPHENONE	2/26/2014		Yes	N	U	υ	190	9.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACENAPHTHYLENE	2/26/2014	55	Yes	Υ	J	J	190	1.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(B)FLUORANTHENE	2/26/2014	520	Yes	Υ			190	3.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PHENANTHRENE	2/26/2014	480	Yes	Υ			190	3.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROETHANE	2/28/2014		Yes	N	U	U	190	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ISOPHORONE	2/28/2014		Yes	N	U	U	190	9.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	NAPHTHALENE	2/28/2014		Yes	N	U	U	190	3.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	NITROBENZENE	2/28/2014		Yes	N	U	U	190	8.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U	U	190	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U	U	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PENTACHLOROPHENOL	2/28/2014		Yes	N	U	U	370	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PHENOL	2/28/2014		Yes	N	U	U	190	20	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PYRENE	2/28/2014	170	Yes	Υ	J	J	190	1.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U	U	190	7.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PHENANTHRENE	2/28/2014	100	Yes	Υ	J	J	190	4.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U	U	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	190	4.1	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-NITROPHENOL	2/28/2014		Yes	N	U		U	370	46	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-NITROANILINE	2/28/2014		Yes	N	υ		U	370	21	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	370	11	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	56	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	61	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	3-NITROANILINE	2/28/2014		Yes	N	U		υ	370	44	ug/kg
CC-C-043-6-8-20140220	480-55087-10	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	170	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		υ	190	5.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(A)PYRENE	2/28/2014	140	Yes	Υ	J	J	J	190	4.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	47	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	30	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		υ	370	67	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	52	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		υ	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	42	ug/kg
CC-C-043-6-8-20140220	480-55087-10	INDENO(1,2,3-C,D)PYRENE	2/28/2014	57	Yes	Υ	J	j	J	190	5.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(K)FLUORANTHENE	2/28/2014	31	Yes	Υ	J	J	J	190	2.1	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	61	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	FLUORENE	2/28/2014	11	Yes	Υ	J		J	190	4.4	ug/kg
CC-C-043-6-8-20140220	480-55087-10	FLUORANTHENE	2/28/2014	200	Yes	Υ				190	2.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		υ	190	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIBENZOFURAN	2/28/2014	13	Yes	Υ	J		J	190	2.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CHRYSENE	2/28/2014	120	Yes	Υ	j		J	190	1.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014	82	Yes	Υ	J		J	190	62	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	58	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	UJ	UJ	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	υ		U	190	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	51	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(G,H,I)PERYLENE	2/28/2014	59	Yes	Υ	J	J	J	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(B)FLUORANTHENE	2/28/2014	66	Yes	Υ	J	J	J	190	3.7	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(A)ANTHRACENE	2/28/2014	110	Yes	Υ	J		J	190	3.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ATRAZINE	2/28/2014		Yes	N	υ		U	190	8.5	ug/kg

Amony clour triothiou	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	ANTHRACENE	2/28/2014	25	Yes	Υ	J		J	190	4.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZALDEHYDE	2/28/2014		Yes	N	U	UJ	กา	190	21	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	83	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		υ	1900	600	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(G,H,I)PERYLENE	2/25/2014	640	Yes	Υ	J		J	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIBENZOFURAN	2/25/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CHRYSENE	2/25/2014	740	Yes	Υ	J		J	1900	19	ug/kg
CC-C-044-0-2-20140220	480-55087-13	FLUORANTHENE	2/25/2014	780	Yes	Υ	J		J	1900	27	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CAPROLACTAM	2/25/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(K)FLUORANTHENE	2/25/2014	410	Yes	Υ	J		J	1900	20	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CARBAZOLE	2/25/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-044-0-2-20140220	480-55087-13	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-044-0-2-20140220	480-55087-13	FLUORENE	2/25/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	400	ug/kg
CC-C-044-0-2-20140220	480-55087-13	PYRENE	2/25/2014	1200	Yes	Υ	J		J	1900	12	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-2014022	20 480-55087-13	PHENOL	2/25/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	PHENANTHRENE	2/25/2014	550	Yes	Υ	J		J	1900	39	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		υ	1900	100	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		υ	1900	48	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	NITROBENZENE	2/25/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	NAPHTHALENE	2/25/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	ISOPHORONE	2/25/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	1900	51	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	HEXACHLOROETHANE	2/25/2014		Yes	N	U		υ	1900	140	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	1900	450	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	3-NITROANILINE	2/25/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2-NITROPHENOL	2/25/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2-NITROANILINE	2/25/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		υ	1900	120	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-044-0-2-2014022	20 480-55087-13	BENZO(B)FLUORANTHENE	2/25/2014	730	Yes	Υ	J		J	1900	36	ug/kg

CC-C-044-0-2-20140220 480-55087-13 ATRAZINE 2/25/2014 Yes N U U 1900 82 US CC-C-044-0-2-20140220 480-55087-13 BENZCALDEHYDE 2/25/2014 Yes N U U 1900 45 US CC-C-044-0-2-20140220 480-55087-13 ANTHRACENE 2/25/2014 Yes N U U 1900 45 UU 1900 45 US CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 Yes N U U 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 45 UU 1900 47	Analytical Method	SW8270D											
CC-C-044-0-2-20140220 480-55087-13 DI-N-OCTYLEPHTHALATE 2/25/2014 Yes N U U 1900 43 UC CC-C-044-0-2-20140220 480-55087-13 2,4,6-TRICHLOROPHENOL 2/25/2014 Yes N U U 1900 120 UC CC-C-044-0-2-20140220 480-55087-13 C-C-D-044-0-2-20140220 480-55087-13 BENZO(A)PYRENE 2/25/2014 Yes N U U 1900 45 UC CC-C-044-0-2-20140220 480-55087-13 BENZO(A)PYRENE 2/25/2014 Yes N U U 1900 45 UC CC-C-044-0-2-20140220 480-55087-13 BENZO(A)PYRENE 2/25/2014 Yes N U U 1900 45 UC CC-C-044-0-2-20140220 480-55087-13 ANTHRACENE 2/25/2014 Yes N U U 1900 47 UC CC-C-044-0-2-20140220 480-55087-13 ACETOPHENONE 2/25/2014 Yes N U U 1900 95 UC CC-C-044-0-2-20140220 480-55087-13 ACETOPHENONE 2/25/2014 Yes N U U 1900 95 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 1900 95 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 1900 95 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 3600 150 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 Yes N U U 3600 150 UC CC-C-044-0-2-20140220 480-55087-13 A-MITROPHENOL (P-CRESOL) 2/25/2014 Yes N U U 3600 150 UC CC-C-044-0-2-20140220 480-55087-13 A-MITROPHENOL (P-CRESOL) 2/25/2014 Yes N U U 3600 1500 150 UC CC-C-044-0-2-20140220 480-55087-13 A-CHLORO-SMETHYLPHENOL P-CRESOL) 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 480-55087-13 A-CHLORO-SMETHYLPHENOL P-CRESOL) 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 480-55087-13 A-CHLORO-SMETHYLPHENOL P-C-C-044-0-2-20140220 480-55087-13 A-CHLORO-SMETHYLPH	Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220 480-55087-13 2,4,6-TRICHLOROPHENOL 2/25/2014 Yes N U U 1900 120 U 1900 20 U 100 100 100 100 100 100 100 100 100	CC-C-044-0-2-201402	20 480-55087-13	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-044-0-2-20140220	CC-C-044-0-2-201402	20 480-55087-13	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-044-0-2-20140220 480-55087-13 ATRAZINE 2/25/2014 Yes N U U 1900 82 UCC-C-044-0-2-20140220 480-55087-13 BENZOLAPYRENE 2/25/2014 Yes N U U 1900 45 UCC-C-044-0-2-20140220 480-55087-13 BENZALDEHYDE 2/25/2014 Yes N U U 1900 47 UCC-C-044-0-2-20140220 480-55087-13 ANTHRACENE 2/25/2014 Yes N U U 1900 95 UCC-C-044-0-2-20140220 480-55087-13 ACENOPHENONE 2/25/2014 Yes N U U 1900 95 UCC-C-044-0-2-20140220 480-55087-13 ACENOPHENONE 2/25/2014 Yes N U U 1900 15 UCC-C-044-0-2-20140220 480-55087-13 ACENOPHENONE 2/25/2014 Yes N U U 1900 15 UCC-C-044-0-2-20140220 480-55087-13 ACENOPHENOL 2/25/2014 Yes N U U 1900 15 UCC-C-044-0-2-20140220 480-55087-13 ACENOPHENOL 2/25/2014 Yes N U U 3600 450 UCC-C-044-0-2-20140220 480-55087-13 A-NITROPHENOL 2/25/2014 Yes N U U 3600 450 UCC-C-044-0-2-20140220 480-55087-13 A-METHYLPHENOL 2/25/2014 Yes N U U 3600 100 UCC-C-044-0-2-20140220 480-55087-13 A-METHYLPHENOL 2/25/2014 Yes N U U 1900 39 UCC-C-044-0-2-20140220 480-55087-13 A-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 A-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 1900 32 UCC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 170 9.4 UCC-C-044-0-2-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UCC-C-044-0-2-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 170 9.4 UCC-C-044-0-2-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 170 4.5 UCC-C-044-0-2-20140220 480-55087-14 DIN-BUT	CC-C-044-0-2-201402	20 480-55087-13	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-044-0-2-20140220 480-55087-13 BENZALDEHYDE 2/25/2014 710 Yes Y J J 1900 45 UC CC-C-044-0-2-20140220 480-55087-13 BENZALDEHYDE 2/25/2014 Yes N U U 1900 200 UC CC-C-044-0-2-20140220 480-55087-13 ANTHRACENE 2/25/2014 160 Yes Y J J 1900 47 UC CC-C-044-0-2-20140220 480-55087-13 ACETOPHENONE 2/25/2014 Yes N U U 1900 95 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 1900 15 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 Yes N U U 1900 15 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 Yes N U U 1900 15 UC CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 1900 15 UC CC-C-044-0-2-20140220 ARD-55087-13 ACENAPHTHYLPHENOL (P-CRESOL) 2/25/2014 Yes N U U 1900 15 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 590 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENYL ETHER 2/25/2014 Yes N U U 1900 590 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENYL ETHER 2/25/2014 Yes N U U 1900 32 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENYL ETHER 2/25/2014 Yes N U U 1900 32 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENYL ETHER 2/25/2014 Yes N U U 1900 32 UC CC-C-044-0-2-20140220 ARD-55087-13 ACHIORO-3-METHYLPHENYL ETHER 2/25/2014 Yes N U U 1900 32 UC CC-C-044-0-2-20140220 ARD-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 1900 32 UC CC-C-044-0-2-20140220 ARD-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/25/2014 Yes N U U 1900 170 4.5	CC-C-044-0-2-201402	20 480-55087-13	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-044-0-2-20140220 480-55087-13 BENZALDEHYDE 2/25/2014 Yes N U U 1900 200 US CC-C-044-0-2-20140220 480-55087-13 ANTHRACENE 2/25/2014 160 Yes Y J J 1900 47 US CC-C-044-0-2-20140220 480-55087-13 ACETOPHENONE 2/25/2014 Yes N U U 1900 95 US CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U U 1900 15 US CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 38 Yes Y J J 1900 22 US CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 Yes N U U 3600 450 US CC-C-044-0-2-20140220 480-55087-13 A-METHYLPHENOL (P-CRESOL) 2/25/2014 Yes N U U 3600 100 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 560 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 560 US CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 560 US CC-C-044-0-2-20140220 480-55087-13 4-REMOMPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 320 US CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 1900 320 US CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 1900 320 US CC-C-044-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 1770 9.4 US CC-C-044-6-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 60 US CC-C-044-6-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 60 US CC-C-044-6-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 US CC-C-044-6-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 US CC-C-044-6-20140220 480-55087-14 DIN-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 US CC-C-044-6-20140220 480-	CC-C-044-0-2-201402	20 480-55087-13	ATRAZINE	2/25/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-044-0-2-20140220	CC-C-044-0-2-201402	220 480-55087-13	BENZO(A)PYRENE	2/25/2014	710	Yes	Υ	J		j	1900	45	ug/kg
CC-C-044-0-2-20140220	CC-C-044-0-2-201402	480-55087-13	BENZALDEHYDE	2/25/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHYLENE 2/25/2014 Yes N U 1900 15 UCC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 38 Yes Y J J 1900 22 UCC-C-044-0-2-20140220 480-55087-13 4-NITROPHENOL 2/25/2014 Yes N U U 3600 450 UCC-C-044-0-2-20140220 480-55087-13 4-METHYLPHENOL (P-CRESOL) 2/25/2014 Yes N U U 1900 39 UCC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 UCC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 540 UCC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UCC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UCC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 UCC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 3600 210 UCC-C-044-0-2-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 1770 9.4 UCC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 1770 9.4 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 60 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 60 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 60 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 1770 4.5 UCC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N	CC-C-044-0-2-201402	220 480-55087-13	ANTHRACENE	2/25/2014	160	Yes	Υ	J		J	1900	47	ug/kg
CC-C-044-0-2-20140220 480-55087-13 ACENAPHTHENE 2/25/2014 38 Yes Y J J 1900 22 UGC-C-044-0-2-20140220 480-55087-13 4-NITROPHENOL 2/25/2014 Yes N U U 3600 450 UGC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 UGC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UGC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 UGC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 76 UGC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 UGC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 590 UGC-C-044-0-2-20140220 480-55087-13 4-DHORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 590 UGC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 UGC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 170 9.4 UGC-C-044-0-2-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 9.4 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UGC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UG	CC-C-044-0-2-201402	220 480-55087-13	ACETOPHENONE	2/25/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-NITROPHENOL 2/25/2014 Yes N U U 3600 450 uc CC-C-044-0-2-20140220 480-55087-13 4-METHYLPHENOL (P-CRESOL) 2/25/2014 Yes N U U 3600 100 uc CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 uc CC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 uc CC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 uc CC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 uc CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 uc CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 uc CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 170 9.4 uc CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 9.4 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 uc CC-C-044-4-6-20140220 480-550	CC-C-044-0-2-201402	220 480-55087-13	ACENAPHTHYLENE	2/25/2014		Yes	N	υ		U	1900	15	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-METHYLPHENOL (P-CRESOL) 2/25/2014 Yes N U U 1900 39 UE CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 540 UE CC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 76 UE CC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 76 UE CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UE CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 1900 590 UE CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 UE CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U 170 3600 210 UE CC-C-044-0-2-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UE CC-C-044-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014	CC-C-044-0-2-201402	220 480-55087-13	ACENAPHTHENE	2/25/2014	38	Yes	Υ	J		J	1900	22	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-CHLOROPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 39 UG CC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 UG CC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 UG CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UG CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U J 3600 210 UG CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 Yes N U U J 3600 210 UG CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 UG CC-C-044-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U J 170 9.4 UG CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U J 170 60 UG CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U J 170 4.5 UG CC-C-044-4-6-20140220	CC-C-044-0-2-201402	220 480-55087-13	4-NITROPHENOL	2/25/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-CHLOROANILINE 2/25/2014 Yes N U U 1900 540 UC CC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 UC CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UC CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 UC CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 UC CC-C-044-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-	CC-C-044-0-2-201402	220 480-55087-13	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-CHLORO-3-METHYLPHENOL 2/25/2014 Yes N U U 1900 76 UC CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 UC CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 UC CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 UC CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UC CC-C-044-4-6-20140220 480-55087-	CC-C-044-0-2-201402	220 480-55087-13	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-BROMOPHENYL PHENYL ETHER 2/25/2014 Yes N U U 1900 590 ug CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 ug CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 ug CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 ug CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 ug CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 ug	CC-C-044-0-2-201402	480-55087-13	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	1900	540	ug/kg
CC-C-044-0-2-20140220 480-55087-13 4-NITROANILINE 2/25/2014 Yes N U U 3600 210 ug CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 ug CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 ug CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 ug CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 ug	CC-C-044-0-2-201402	220 480-55087-13	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-044-0-2-20140220 480-55087-13 BENZO(A)ANTHRACENE 2/25/2014 670 Yes Y J J 1900 32 UG CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 UG CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 UG CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 UG	CC-C-044-0-2-201402	220 480-55087-13	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-044-4-6-20140220 480-55087-14 BIS(2-CHLOROETHOXY) METHANE 2/26/2014 Yes N U U 170 9.4 ug CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 ug CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 ug	CC-C-044-0-2-201402	220 480-55087-13	4-NITROANILINE	2/25/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-044-4-6-20140220 480-55087-14 DI-N-BUTYL PHTHALATE 2/26/2014 Yes N U U 170 60 ug CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 ug	CC-C-044-0-2-201402	220 480-55087-13	BENZO(A)ANTHRACENE	2/25/2014	670	Yes	Υ	j		J	1900	32	ug/kg
CC-C-044-4-6-20140220 480-55087-14 DIMETHYL PHTHALATE 2/26/2014 Yes N U U 170 4.5 ug	CC-C-044-4-6-201402	220 480-55087-14	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	170	9.4	ug/kg
	CC-C-044-4-6-201402	220 480-55087-14	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	170	60	ug/kg
CC-C-044-4-6-20140220 480-55087-14 DIETHYL PHTHALATE 2/26/2014 Yes N U U 170 5.2 uç	CC-C-044-4-6-201402	220 480-55087-14	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	170	4.5	ug/kg
	CC-C-044-4-6-201402	220 480-55087-14	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	170	5.2	ug/kg
CC-C-044-4-6-20140220 480-55087-14 DIBENZOFURAN 2/26/2014 Yes N U U 170 1.8 ug	CC-C-044-4-6-201402	220 480-55087-14	DIBENZOFURAN	2/26/2014		Yes	N	U		U	170	1.8	ug/kg
CC-C-044-4-6-20140220 480-55087-14 DIBENZ(A,H)ANTHRACENE 2/26/2014 Yes N U U 170 2.0 ug	CC-C-044-4-6-201402	220 480-55087-14	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	CHRYSENE	2/26/2014		Yes	N	U		U	170	1.7	ug/kg
CC-C-044-4-6-20140220	480-55087-14	CARBAZOLE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	CAPROLACTAM	2/26/2014		Yes	N	U		U	170	75	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	170	56	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	170	15	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	170	4.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	170	46	ug/kg
CC-C-044-4-6-20140220	480-55087-14	NAPHTHALENE	2/26/2014		Yes	N	U		U	170	2.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	170	11	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	170	18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ISOPHORONE	2/26/2014		Yes	N	U		U	170	8.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	38	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PYRENE	2/26/2014		Yes	N	U		U	170	1.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PHENANTHRENE	2/26/2014		Yes	N	U		U	170	3.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	340	59	ug/kg
CC-C-044-4-6-20140220	480-55087-14	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	170	9.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	170	14	ug/kg
CC-C-044-4-6-20140220	480-55087-14	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	170	4.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	170	1.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	FLUORANTHENE	2/26/2014		Yes	N	U		U	170	2.5	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PHENOL	2/26/2014		Yes	N	U		U	170	18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	170	13	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	170	52	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	170	8.8	ug/kg

Analytical Method SW	/8270D				•							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	170	8.6	ug/kg
CC-C-044-4-6-20140220	480-5508 7-1 4	FLUORENE	2/26/2014		Yes	N	U		U	170	4.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	NITROBENZENE	2/26/2014		Yes	N	U		U	170	7.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	170	8.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		υ	340	60	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	9.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		υ	170	150	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-NITROPHENOL	2/26/2014		Yes	N	U		U	170	7.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-NITROANILINE	2/26/2014		Yes	N	U		υ	340	55	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	170	2.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	170	2.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	170	55	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	170	12	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		υ	170	42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	170	27	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	170	47	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	11	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	170	5.3	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACETOPHENONE	2/26/2014		Yes	N	U		U	170	8.8	u g/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	170	3.3	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	170	4.2	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		υ	170	3.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZALDEHYDE	2/26/2014		Yes	N	U		U	170	19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ATRAZINE	2/26/2014		Yes	N	U		U	170	7.7	ug/kg

Analytical Method SW8					_							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	3-NITROANILINE	2/26/2014		Yes	N	U		U	340	40	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ANTHRACENE	2/26/2014		Yes	N	U		υ	170	4.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	170	7.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	170	1.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACENAPHTHENE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-NITROPHENOL	2/26/2014		Yes	N	U		U	340	42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-NITROANILINE	2/26/2014		Yes	N	U		υ	340	19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	340	9.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	170	3.7	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	170	51	ug/kg
CC-C-044-8-10-20140220	480-55087-16	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	180	160	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-044-8-10-20140220	480-55087 -1 6	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	79	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CARBAZOLE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIBENZOFURAN	2/26/2014		Yes	N	U		U	180	1.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U	UJ	UJ	180	3.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	2.0	ug/kg
CC-C-044-8-10-20140220	480-55087-16	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	10	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	180	55	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	59	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	49	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PYRENE	2/26/2014		Yes	N	U		U	180	1.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PHENOL	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	FLUORENE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-044-8-10-20140220	480-55087 - 16	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-044-8-10-20140220	480-55087-16	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	NAPHTHALENE	2/26/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	180	5.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	FLUORANTHENE	2/26/2014		Yes	N	U		U	180	2.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PHENANTHRENE	2/26/2014		Yes	N	U		U	180	3.8	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	360	44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U ·	180	5.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.3	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-044-8-10-20140220	480-55087-16	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	49	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CHRYSENE	2/26/2014		Yes	N	U	UJ	UJ	180	1.8	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	45	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ATRAZINE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	180	4.4	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ANTHRACENE	2/26/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	180	1.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACENAPHTHENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	4.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	20	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	54	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U	•	U	180	7.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result_	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	3.5	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg
CC-C-045-0-2-20140220	480-5508 7- 18	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	64	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIBENZOFURAN	2/26/2014	14	Yes	Υ	J		J	190	1.9	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIBENZ(A,H)ANTHRACENE	2/26/2014	66	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-5508 7- 18	CHRYSENE	2/26/2014	420	Yes	Υ				190	1.8	ug/kg
CC-C-045-0-2-20140220	480-55087-18	CARBAZOLE	2/26/2014	31	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	80	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	FLUORANTHENE	2/26/2014	470	Yes	Υ				190	2.7	ug/kg
CC-C-045-0-2-20140220	480-55087-18	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	11	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	190	59	ug/kg
CC-C-045-0-2-20140220	480-55087-18	NAPHTHALENE	2/26/2014	16	Yes	Υ	J		j	190	3.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PHENOL	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PHENANTHRENE	2/26/2014	320	Yes	Υ				190	3.9	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-0-2-20140220	480-55087-18	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	49	ug/kg
CC-C-045-0-2-20140220	480-55087-18	FLUORENE	2/26/2014	23	Yes	Υ	J		J	190	4.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PYRENE	2/26/2014	660	Yes	Υ				190	1.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	INDENO(1,2,3-C,D)PYRENE	2/26/2014	240	Yes	Υ				190	5.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	56	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	υ		U	190	15	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	45	ug/kg
CC-C-045-0-2-20140220	480-55087-18	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-045-0-2-20140220	480-55087-18	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		υ	190	160	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-045-0-2-20140220	480 - 55087-18	2-METHYLNAPHTHALENE	2/26/2014	8.7	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		υ	190	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	28	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-045-0-2-20140220	480 - 55087-18	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	50	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(K)FLUORANTHENE	2/26/2014	180	Yes	Υ	J		J	190	2.0	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	3.9	ug/kg

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Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(A)PYRENE	2/26/2014	350	Yes	Υ				190	4.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	40	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	58	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(B)FLUORANTHENE	2/26/2014	490	Yes	Υ				190	3.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(A)ANTHRACENE	2/26/2014	330	Yes	Υ				190	3.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	20	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ATRAZINE	2/26/2014		Yes	N	U		υ	190	8.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ANTHRACENE	2/26/2014	78	Yes	Υ	J		J	190	4.7	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACENAPHTHENE	2/26/2014	26	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	45	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	21	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACENAPHTHYLENE	2/26/2014	32	Yes	Υ	J		J	190	1.5	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(G,H,I)PERYLENE	2/26/2014	220	Yes	Υ				190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLOROANILINE	2/26/2014		Yes	N	U		υ	190	54	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CARBAZOLE	2/26/2014	330	Yes	Υ	J		j	1900	21	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CHRYSENE	2/26/2014	13000	Yes	Υ		J	J	1900	18	ug/kg
CC-C-045-4-6-20140220	480-55087-19	FLUORANTHENE	2/26/2014	24000	Yes	Υ				1900	27	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		υ	1900	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	1900	56	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg

SDG: 480550871

Analytical Method SW82	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	DIBENZOFURAN	2/26/2014	870	Yes	Υ	J		J	1900	19	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3600	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZYL BUTYL PHTHALATE	2/26/2014	11000	Yes	Υ		J	J	1900	490	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CAPROLACTAM	2/26/2014		Yes	N	U		υ	1900	800	ug/kg
CC-C-045-4-6-20140220	480-55087-19	FLUORENE	2/26/2014	2600	Yes	Υ				1900	42	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-045-4-6-20140220	480-55087-19	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		υ	1900	150	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIBENZ(A,H)ANTHRACENE	2/26/2014	1700	Yes	Υ	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	540	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PYRENE	2/26/2014	26000	Yes	Υ				1900	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PHENOL	2/26/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PHENANTHRENE	2/26/2014	16000	Yes	Υ				1900	39	ug/kg
CC-C-045-4-6-20140220	480-55087-19	NAPHTHALENE	2/26/2014	64	Yes	Υ	J		J	1900	31	ug/kg
CC-C-045-4-6-20140220	480-55087-19	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-045-4-6-20140220	480-55087-19	INDENO(1,2,3-C,D)PYRENE	2/26/2014	6600	Yes	Υ				1900	51	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(A)ANTHRACENE	2/26/2014	14000	Yes	Υ		J	J	1900	32	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	450	ug/kg

Analytical Method SW82	270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
CC-C-045-4-6-20140220	480-55087-19	3-NITROANILINE	2/26/2014		Yes	N	U		U	3600	420	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	84	ug/kg
CC-C-045-4-6-20140220	480-55087-19	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-NITROANILINE	2/26/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-METHYLNAPHTHALENE	2/26/2014	120	Yes	Υ	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	400	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	110	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(B)FLUORANTHENE	2/26/2014	14000	Yes	Υ				1900	36	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		υ	1900	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(K)FLUORANTHENE	2/26/2014	5300	Yes	Υ				1900	20	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(G,H,I)PERYLENE	2/26/2014	4900	Yes	Υ				1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	740	Yes	Υ	J	J	J	1900	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(A)PYRENE	2/26/2014	11000	Yes	Υ				1900	44	ug/kg
CC-C-045-4-6-20140220	480-55087 - 19	ATRAZINE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-045-4-6-20140220	480-55087 - 19	ANTHRACENE	2/26/2014	5100	Yes	Υ				1900	47	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	95	ug/kg

Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	lon Aud	Val Qual	Final qual	RL	MDL	Units
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CC-C-045-4-6-20140220	480-55087-19	ACENAPHTHENE	2/26/2014	430	Yes	Υ	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-NITROANILINE	2/26/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	1900	200	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	43	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ACENAPHTHYLENE	2/26/2014	3100	Yes	Υ				1900	15	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3600	450	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	180	5.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIBENZOFURAN	2/26/2014	37	Yes	Υ	J		J	180	1.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIBENZ(A,H)ANTHRACENE	2/26/2014	84	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CHRYSENE	2/26/2014	620	Yes	Υ				180	1.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CARBAZOLE	2/26/2014	62	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	180	59	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	180	4.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	79	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PYRENE	2/26/2014	1100	Yes	Υ				180	1.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	49	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	PHENOL	2/26/2014		Yes	N	U		υ	180	19	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PHENANTHRENE	2/26/2014	660	Yes	Υ				180	3.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	62	ug/kg
CC-C-045-8-10-20140220	480-55087-21	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	10	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	NAPHTHALENE	2/26/2014	24	Yes	Υ	J		J	180	3.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	FLUORANTHENE	2/26/2014	860	Yes	Υ				180	2.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	INDENO(1,2,3-C,D)PYRENE	2/26/2014	490	Yes	Υ				180	5.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	180	55	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		υ	180	9.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	FLUORENE	2/26/2014	61	Yes	Υ	J		J	180	4.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	45	ug/kg
CC-C-045-8-10-20140220	480-55087-21	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-045-8-10-20140220	480-55087-21	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	180	160	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	58	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-METHYLNAPHTHALENE	2/26/2014	14	Yes	Υ	J		J	180	2.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg

Analytical Method SW8	3270D					_	,					
Sample iD	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	49	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(K)FLUORANTHENE	2/26/2014	330	Yes	Υ				180	2.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(B)FLUORANTHENE	2/26/2014	760	Yes	Υ				180	3.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(G,H,I)PERYLENE	2/26/2014	420	Yes	Υ				180	2.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(A)PYRENE	2/26/2014	650	Yes	Υ				180	4.4	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(A)ANTHRACENE	2/26/2014	660	Yes	Υ				180	3.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZALDEHYDE	2/26/2014		Yes	N	U		U	180	20	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ATRAZINE	2/26/2014		Yes	Ν	U		U	180	8.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ANTHRACENE	2/26/2014	190	Yes	Υ				180	4.7	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACENAPHTHENE	2/26/2014	52	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	44	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	20	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACENAPHTHYLENE	2/26/2014	68	Yes	Υ	J		J	180	1.5	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CHRYSENE	2/26/2014	780	Yes	Υ	J		J	950	9.4	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIBENZOFURAN	2/26/2014		Yes	N	U		U	950	9.8	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CARBAZOLE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	950	98	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	950	280	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	950	28	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CAPROLACTAM	2/26/2014		Yes	N	U		U	950	410	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	950	59	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	950	81	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		υ	950	51	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	950	100	ug/kg
CC-C-046-0-2-20140220	480-55087-25	NAPHTHALENE	2/26/2014		Yes	N	U		U	950	16	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PYRENE	2/26/2014	1100	Yes	Υ				950	6.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PHENOL	2/26/2014		Yes	N	U		U	950	99	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PHENANTHRENE	2/26/2014	610	Yes	Υ	J		J	950	20	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-046-0-2-20140220	480-55087-25	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-0-2-20140220	480-55087-25	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		υ	950	75	ug/kg
CC-C-046-0-2-20140220	480-55087-25	INDENO(1,2,3-C,D)PYRENE	2/26/2014	320	Yes	Υ	J		J	950	26	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ISOPHORONE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	950	22	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	950	73	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	25	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-0-2-20140220	480-55087-25	FLUORENE	2/26/2014		Yes	N	U		υ	950	22	ug/kg
CC-C-046-0-2-20140220	480-55087-25	FLUORANTHENE	2/26/2014	1500	Yes	Υ				950	14	ug/kg
CC-C-046-0-2-20140220	480-55087-25	NITROBENZENE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	950	63	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLOROANILINE	2/26/2014		Yes	N	U		υ	950	280	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	950	39	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	3-NITROANILINE	2/26/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-046-0-2-20140220	480-55087-25	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	950	830	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-NITROANILINE	2/26/2014		Yes	N	U		U	1800	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	20	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-NITROPHENOL	2/26/2014		Yes	N	U		U	950	43	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	230	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	150	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	49	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	62	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U _		U	950	210	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(A)PYRENE	2/26/2014	820	Yes	Υ	J		J	950	23	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		υ	950	29	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(B)FLUORANTHENE	2/26/2014	1200	Yes	Υ				950	18	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(A)ANTHRACENE	2/26/2014	800	Yes	Υ	J		J	950	16	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ATRAZINE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ANTHRACENE	2/26/2014	130	Yes	Υ	J		J	950	24	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACETOPHENONE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	950	7.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACENAPHTHENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1800	230	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-NITROANILINE	2/26/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(K)FLUORANTHENE	2/26/2014	520	Yes	Υ	J		J	950	10	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1800	52	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(G,H,I)PERYLENE	2/26/2014	330	Yes	Υ	J		J	950	11	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIBENZOFURAN	2/27/2014	34	Yes	Υ	J		J	190	1.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CHRYSENE	2/27/2014	770	Yes	Υ				190	1.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CARBAZOLE	2/27/2014	59	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	80	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	180	Yes	Υ	J		J	190	60	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	υ		U	190	16	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL_	Units
CC-C-046-4-6-20140220	480-55087-26	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U	U	190	4.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U	U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U	U	190	50	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(K)FLUORANTHENE	2/27/2014	590	Yes	Υ			190	2.0	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(G,H,i)PERYLENE	2/27/2014	300	Yes	Υ			190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(B)FLUORANTHENE	2/27/2014	1200	Yes	Υ			190	3.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(A)PYRENE	2/27/2014	810	Yes	Υ			190	4.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(A)ANTHRACENE	2/27/2014	750	Yes	Υ			190	3.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ATRAZINE	2/27/2014		Yes	N	U	U	190	8.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U	U	190	19	ug/kg
CC-C-046-4-6-20140220	480-55087-26	NAPHTHALENE	2/27/2014	27	Yes	Υ	J	j	190	3.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PHENOL	2/27/2014		Yes	N	U	U	190	19	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PHENANTHRENE	2/27/2014	650	Yes	Υ			190	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U	U	360	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROBENZENE	2/27/2014		Yes	N	U	U	190	9.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ANTHRACENE	2/27/2014	180	Yes	Υ	J	J	190	4.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U	U	190	9.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	U	190	56	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROETHANE	2/27/2014		Yes	N	U	U	190	14	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U	U	190	4.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ISOPHORONE	2/27/2014		Yes	N	U	U	190	9.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U	U	190	64	ug/kg
CC-C-046-4-6-20140220	480-55087-26	NITROBENZENE	2/27/2014		Yes	N	U	U	190	8.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U	U	190	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PENTACHLOROPHENOL	2/27/2014		Yes	N	U	U	360	63	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	190	20	ug/kg
CC-C-046-4-6-20140220	480-55087-26	FLUORENE	2/27/2014	49	Yes	Υ	J		J	190	4.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	FLUORANTHENE	2/27/2014	1500	Yes	Υ				190	2.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PYRENE	2/27/2014	1200	Yes	Υ				190	1.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	INDENO(1,2,3-C,D)PYRENE	2/27/2014	300	Yes	Υ				190	5.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	360	65	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	360	45	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACENAPHTHENE	2/27/2014	56	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	Ν	U		U	190	40	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	29	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		υ	190	45	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-METHYLNAPHTHALENE	2/27/2014	15	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		υ	190	5.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-NITROANILINE	2/27/2014		Yes	N	U		U	360	59	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	21	ug/kg
CC-C-046-4-6-20140220	480-55087-26	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	190	160	ug/kg
CC-C-046-4-6-20140220	480-55087-26	3-NITROANILINE	2/27/2014		Yes	N	U		U	360	43	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	υ		U	360	64	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	59	ug/kg

Analytical Method SW												
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	190	54	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACENAPHTHYLENE	2/27/2014	110	Yes	Υ	J		J	190	1.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		υ	190	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	950	81	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	950	98	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	950	58	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CARBAZOLE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(A)PYRENE	2/26/2014	750	Yes	Υ	J		J	950	23	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PYRENE	2/26/2014	1100	Yes	Υ				950	6.1	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CAPROLACTAM	2/26/2014		Yes	N	U		U	950	410	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		υ	950	250	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACETOPHENONE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(K)FLUORANTHENE	2/26/2014	490	Yes	Υ	J		J	950	10	ug/kg
CC-C-046-8-10-20140220	480-55087 - 28	ANTHRACENE	2/26/2014	170	Yes	Υ	J		J	950	24	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(B)FLUORANTHENE	2/26/2014	1000	Yes	Υ				950	18	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(A)ANTHRACENE	2/26/2014	680	Yes	Υ	J		J	950	16	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZALDEHYDE	2/26/2014		Yes	N	U		U	950	100	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ATRAZINE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	950	11	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	ISOPHORONE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(G,H,I)PERYLENE	2/26/2014	300	Yes	Υ	J		J	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	950	74	ug/kg
CC-C-046-8-10-20140220	480-55087-28	FLUORENE	2/26/2014		Yes	N	U		U	950	22	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	950	7.7	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CHRYSENE	2/26/2014	790	Yes	Υ	J		J	950	9.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	950	280	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	950	73	ug/kg
CC-C-046-8-10-20140220	480-55087-28	NITROBENZENE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-8-10-20140220	480-55087-28	NAPHTHALENE	2/26/2014		Yes	N	U		U	950	16	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIETHYL PHTHALATE	2/26/2014		Yes	Ν	U		U	950	28	ug/kg
CC-C-046-8-10-20140220	480-55087-28	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PHENANTHRENE	2/26/2014	940	Yes	Υ	J		J	950	20	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PHENOL	2/26/2014		Yes	N	U		U	950	99	ug/kg
CC-C-046-8-10-20140220	480-55087-28	FLUORANTHENE	2/26/2014	1500	Yes	Υ				950	14	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	950	22	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	Ν	U		U	950	320	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	24	ug/kg
CC-C-046-8-10-20140220	480-55087-28	INDENO(1,2,3-C,D)PYRENE	2/26/2014	270	Yes	Υ	J		J	950	26	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIBENZOFURAN	2/26/2014		Yes	N	U		U	950	9.8	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	200	ug/kg

Comple ID	Lob Compie ID	Chamical Nama	Anal Data	Dooult	Dopont	Dotoot	Loh Aval	Val Augl - Cine	d anol	Di	MDL	Units
Sample ID	Lab Sample ID	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	<u>Lab Qual</u>	vai Quai Filia	d qual	RL	MINT	- OHITO
CC-C-046-8-10-20140220	480-55087-28	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	υ	U		950	62	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U	U		950	49	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACENAPHTHENE	2/26/2014	93	Yes	Υ	J	J		950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U	U		950	250	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U	U		950	150	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U	υ		950	230	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U	U		950	63	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-CHLOROPHENOL	2/26/2014		Yes	N	U	U		950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U	U		950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U	U		950	29	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U		950	20	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-NITROANILINE	2/26/2014		Yes	N	U	U		1800	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-NITROPHENOL	2/26/2014		Yes	N	U	U		1800	230	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U	U		1800	52	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLOROANILINE	2/26/2014		Yes	N	U	U		950	280	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U	U		950	39	ug/kg
CC-C-046-8-10-20140220	480-55087-28	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	U		950	820	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-NITROANILINE	2/26/2014		Yes	N	U	υ		1800	100	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-NITROPHENOL	2/26/2014		Yes	N	U	U		950	43	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U		950	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	3-NITROANILINE	2/26/2014		Yes	N	U	U		1800	220	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U	U		1800	320	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(A)ANTHRACENE	2/26/2014	670	Yes	Υ	J	J		920	16	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U	U		920	50	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACENAPHTHYLENE	2/26/2014		Yes	N	U	U		920	7.4	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	<u>Lab Qual</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CARBAZOLE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CAPROLACTAM	2/26/2014		Yes	N	υ		υ	920	390	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	920	290	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	920	95	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	920	79	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CHRYSENE	2/26/2014	690	Yes	Υ	J		J	920	9.1	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	920	57	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	920	240	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(K)FLUORANTHENE	2/26/2014	480	Yes	Υ	J		J	920	10	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(G,H,I)PERYLENE	2/26/2014	330	Yes	Υ	J		J	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ANTHRACENE	2/26/2014		Yes	N	U		U	920	23	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(A)PYRENE	2/26/2014	770	Yes	Υ	J		J	920	22	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ATRAZINE	2/26/2014		Yes	N	U		U	920	40	ug/kg
CC-C-047-0-2-20140220	480-55087-29	NAPHTHALENE	2/26/2014		Yes	N	U		υ	920	15	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACETOPHENONE	2/26/2014		Yes	N	U		U	920	47	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(B)FLUORANTHENE	2/26/2014	1200	Yes	Υ				920	18	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACENAPHTHENE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	920	280	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PYRENE	2/26/2014	880	Yes	Υ	J		J	920	5.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PHENOL	2/26/2014		Yes	N	U		U	920	96	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PHENANTHRENE	2/26/2014	440	Yes	Υ	J		J	920	19	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	920	50	ug/kg

Analytical Method SW	8270D										<u></u>	
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Re</u> sult	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	920	72	ug/kg
CC-C-047-0-2-20140220	480-55087-29	NITROBENZENE	2/26/2014		Yes	N	U		U	920	40	ug/kg
CC-C-047-0-2-20140220	480-55087-29	INDENO(1,2,3-C,D)PYRENE	2/26/2014	270	Yes	Υ	J		J	920	25	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ISOPHORONE	2/26/2014		Yes	N	U		U	920	45	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	920	27	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	920	70	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	920	100	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	920	47	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	920	45	ug/kg
CC-C-047-0-2-20140220	480-55087-29	FLUORENE	2/26/2014		Yes	N	U		U	920	21	ug/kg
CC-C-047-0-2-20140220	480-55087-29	FLUORANTHENE	2/26/2014	1200	Yes	Υ				920	13	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	920	21	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	920	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIBENZOFURAN	2/26/2014		Yes	N	U		U	920	9.5	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	48	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	920	24	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	60	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	920	250	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	920	140	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	920	220	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	920	61	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	920	46	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	920	11	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		υ	920	28	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	υ		U	920	19	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-NITROPHENOL	2/26/2014		Yes	N	U		U	920	42	ug/kg
CC-C-047-0-2-20140220	480-55087-29	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	920	800	ug/kg
CC-C-047-0-2-20140220	480-55087-29	3-NITROANILINE	2/26/2014		Yes	N	U		U	1800	210	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	920	290	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	920	37	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	920	270	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	200	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-NITROANILINE	2/26/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-NITROANILINE	2/26/2014		Yes	N	U		υ	1800	290	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(K)FLUORANTHENE	2/27/2014	590	Yes	Υ				190	2.0	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	190	16	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	69	Yes	Υ	J		J	190	60	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ATRAZINE	2/27/2014		Yes	N	U		υ	190	8.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	80	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CARBAZOLE	2/27/2014	110	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(G,H,I)PERYLENE	2/27/2014	380	Yes	Υ				190	2.2	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	BENZO(B)FLUORANTHENE	2/27/2014	1400	Yes	Υ				190	3.6	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(A)ANTHRACENE	2/27/2014	1000	Yes	Υ				190	3.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ANTHRACENE	2/27/2014	290	Yes	Υ				190	4.7	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACENAPHTHYLENE	2/27/2014	79	Yes	Υ	J		J	190	1.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CHRYSENE	2/27/2014	1100	Yes	Υ				190	1.8	ug/kg
CC-C-047-2-4-20140220	480-55087-30	INDENO(1,2,3-C,D)PYRENE	2/27/2014	340	Yes	Υ				190	5.1	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACENAPHTHENE	2/27/2014	110	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(A)PYRENE	2/27/2014	1000	Yes	Υ				190	4.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	21	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PYRENE	2/27/2014	1700	Yes	Υ				190	1.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PHENOL	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PHENANTHRENE	2/27/2014	1500	Yes	Υ				190	3.9	ug/kg
CC-C-047-2-4-20140220	480-55087 - 30	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		υ	360	63	ug/kg
CC-C-047-2-4-20140220	480-55087-30	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-2-4-20140220	480-55087-30	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-2-4-20140220	480-55087-30	NITROBENZENE	2/27/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	NAPHTHALENE	2/27/2014	81	Yes	Υ	J		J	190	3.1	ug/kg
CC-C-047-2-4-20140220	480-5508 7- 30	ISOPHORONE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	360	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	190	14	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	FLUORENE	2/27/2014	110	Yes	Υ	j		J	190	4.3	ug/kg

Sample ID Lab Sample ID Chemical Name Anal Date Result Report CC-C-047-2-4-20140220 480-55087-30 FLUORANTHENE 2/27/2014 2000 Yes CC-C-047-2-4-20140220 480-55087-30 DI-N-OCTYLPHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DI-N-BUTYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-MITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,	Y N N N N Y Y N N N N N N N N N N N N N	Lab Quai U U U U U J	Val Qual	Final qual U U U U U J	190 190 190 190 190	2.7 4.3 64 4.8	ug/kg ug/kg ug/kg
CC-C-047-2-4-20140220 480-55087-30 DI-N-OCTYLPHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DI-N-BUTYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIMETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHE	N N N N Y	ղ n n		υ υ υ	190 190 190	4.3 64	ug/kg ug/kg
CC-C-047-2-4-20140220 480-55087-30 DI-N-BUTYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIMETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL </td <td>N N N Y</td> <td>ղ n n</td> <td></td> <td>υ υ υ</td> <td>190 190</td> <td>64</td> <td>ug/kg</td>	N N N Y	ղ n n		υ υ υ	190 190	64	ug/kg
CC-C-047-2-4-20140220 480-55087-30 DIMETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N N Y Y	n n		U	190		
CC-C-047-2-4-20140220 480-55087-30 DIETHYL PHTHALATE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N Y Y	1 U		U		4.8	ualka
CC-C-047-2-4-20140220 480-55087-30 DIBENZOFURAN 2/27/2014 80 Yes CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes	Y Y N	J		_	190		ug/kg
CC-C-047-2-4-20140220 480-55087-30 2-METHYLNAPHTHALENE 2/27/2014 44 Yes CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes	Y N			1		5.6	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,6-DINITROTOLUENE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes	N	J		J	190	1.9	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2-NITROANILINE 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes				J	190	2.2	ug/kg
CC-C-047-2-4-20140220 480-55087-30 4-METHYLPHENOL (P-CRESOL) 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4,5-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	• •	U		U	360	59	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4,6-TRICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N	U		U	360	10	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4-DICHLOROPHENOL 2/27/2014 Yes CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N	Ų		U	190	40	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4-DIMETHYLPHENOL 2/27/2014 Yes	N	U		U	190	12	ug/kg
	N	υ		U	190	9.7	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4-DINITROTOLUENE 2/27/2014 Yes	N	U		U	190	50	ug/kg
	N	U		U	190	29	ug/kg
CC-C-047-2-4-20140220 480-55087-30 HEXACHLOROCYCLOPENTADIENE 2/27/2014 Yes	N	U	UJ	UJ	190	56	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2-CHLORONAPHTHALENE 2/27/2014 Yes	N	U		U	190	12	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2-CHLOROPHENOL 2/27/2014 Yes	N	U		U	190	9.4	ug/kg
CC-C-047-2-4-20140220 480-55087-30 4-CHLORO-3-METHYLPHENOL 2/27/2014 Yes	N	U		U	190	7.6	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2,4-DINITROPHENOL 2/27/2014 Yes	N	U		U	360	65	ug/kg
CC-C-047-2-4-20140220 480-55087-30 4-CHLOROANILINE 2/27/2014 Yes	N ·	U		U	190	54	ug/kg
CC-C-047-2-4-20140220 480-55087-30 2-METHYLPHENOL (O-CRESOL) 2/27/2014 Yes	N	U		U	190	5.7	ug/kg
CC-C-047-2-4-20140220 480-55087-30 4-BROMOPHENYL PHENYL ETHER 2/27/2014 Yes	N	U		U	190	59	ug/kg
CC-C-047-2-4-20140220 480-55087-30 4,6-DINITRO-2-METHYLPHENOL 2/27/2014 Yes	N	U		υ	360	64	ug/kg
CC-C-047-2-4-20140220 480-55087-30 BENZALDEHYDE 2/27/2014 Yes		U	R	R	190	20	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	3-NITROANILINE	2/27/2014		Yes	N	U		U	360	42	ug/kg
CC-C-047-2-4-20140220	480-55087-30	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	190	160	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	FLUORENE	2/27/2014	270	Yes	Υ				190	4.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	60	ug/kg
CC-C-047-8-10-20140220	480-55087-31	INDENO(1,2,3-C,D)PYRENE	2/27/2014	560	Yes	Υ				190	5.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	FLUORANTHENE	2/27/2014	5100	Yes	Υ				190	2.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	NAPHTHALENE	2/27/2014	110	Yes	Υ	J		J	190	3.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PHENOL	2/27/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ISOPHORONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	190	4.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	4.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	NITROBENZENE	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIBENZOFURAN	2/27/2014	68	Yes	Υ	J		J	190	2.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	82	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PYRENE	2/27/2014	4600	Yes	Υ				190	1.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PHENANTHRENE	2/27/2014	4300	Yes	Υ				190	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	190	56	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	190	7.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(G,H,I)PERYLENE	2/27/2014	600	Yes	Υ				190	2.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	370	11	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-NITROANILINE	2/27/2014		Yes	N	U		U	370	21	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACENAPHTHENE	2/27/2014	230	Yes	Υ				190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACENAPHTHYLENE	2/27/2014	200	Yes	Υ				190	1.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ANTHRACENE	2/27/2014	580	Yes	Υ				190	4.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ATRAZINE	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(A)ANTHRACENE	2/27/2014	2500	Yes	Υ				190	3.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CHRYSENE	2/27/2014	2600	Yes	Υ				190	1.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(B)FLUORANTHENE	2/27/2014	3000	Yes	Υ				190	3.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(K)FLUORANTHENE	2/27/2014	1400	Yes	Υ				190	2.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	51	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	υ		U	190	16	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	75	Yes	Υ	J		J	190	61	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CARBAZOLE	2/27/2014	100	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	370	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	190	10	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	BENZO(A)PYRENE	2/27/2014	2000	Yes	Υ				190	4.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	41	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	190	21	ug/kg
CC-C-047-8-10-20140220	480-55087-31	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		υ	190	170	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-NITROANILINE	2/27/2014		Yes	N	U		U	370	61	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		υ	190	5.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-METHYLNAPHTHALENE	2/27/2014	54	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	υ		U	190	13	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	46	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	29	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	370	66	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	190	51	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		υ	190	9.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	370	46	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	370	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	UJ	UJ	190	57	ug/kg
CC-C-047-8-10-20140220	480-55087-31	3-NITROANILINE	2/27/2014		Yes	N	U		U	370	44	ug/kg
DUP026-20140220	480-55087-12	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	1900	15	ug/kg
DUP026-20140220	480-55087-12	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
DUP026-20140220	480-55087-12	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3600	100	ug/kg
DUP026-20140220	480-55087-12	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	3600	640	ug/kg
DUP026-20140220	480-55087-12	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U	U	1900	96	ug/kg
DUP026-20140220	480-55087-12	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	1900	120	ug/kg
DUP026-20140220	480-55087-12	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U	U	1900	450	ug/kg
DUP026-20140220	480-55087-12	PENTACHLOROPHENOL	2/26/2014		Yes	N	U	U	3600	630	ug/kg
DUP026-20140220	480-55087-12	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U	U	1900	120	ug/kg
DUP026-20140220	480-55087-12	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U	U	1900	150	ug/kg
DUP026-20140220	480-55087-12	NITROBENZENE	2/26/2014		Yes	N	U	U	1900	81	ug/kg
DUP026-20140220	480-55087-12	ISOPHORONE	2/26/2014		Yes	N	U	U	1900	92	ug/kg
DUP026-20140220	480-55087-12	PYRENE	2/26/2014	1100	Yes	Υ	J	J	1900	12	ug/kg
DUP026-20140220	480-55087-12	4-NITROPHENOL	2/26/2014		Yes	N	U	U	3600	450	ug/kg
DUP026-20140220	480-55087-12	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U	1900	39	ug/kg
DUP026-20140220	480-55087-12	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	1900	400	ug/kg
DUP026-20140220	480-55087-12	3-NITROANILINE	2/26/2014		Yes	N	U	U	3600	420	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U	U	1900	100	ug/kg
DUP026-20140220	480-55087-12	PHENOL	2/26/2014		Yes	N	U	υ	1900	190	ug/kg
DUP026-20140220	480-55087-12	PHENANTHRENE	2/26/2014	880	Yes	Υ	J	J	1900	39	ug/kg
DUP026-20140220	480-55087-12	4-CHLOROANILINE	2/26/2014		Yes	N	U	U	1900	540	ug/kg
DUP026-20140220	480-55087-12	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U	U	1900	76	ug/kg
DUP026-20140220	480-55087-12	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U	U	1900	280	ug/kg
DUP026-20140220	480-55087-12	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U	U	3600	630	ug/kg
DUP026-20140220	480-55087-12	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U	U	1900	51	ug/kg
DUP026-20140220	480-55087-12	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	U	1900	1600	ug/kg
DUP026-20140220	480-55087-12	2-NITROPHENOL	2/26/2014		Yes	N	U	υ	1900	84	ug/kg
DUP026-20140220	480-55087-12	2-NITROANILINE	2/26/2014		Yes	N	U	U	3600	590	ug/kg
DUP026-20140220	480-55087-12	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U	U	1900	57	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	2-METHYLNAPHTHALENE	2/26/2014	290	Yes	Υ	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	94	ug/kg
DUP026-20140220	480-55087-12	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	580	ug/kg
DUP026-20140220	480-55087-12	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		υ	1900	590	ug/kg
DUP026-20140220	480-55087-12	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	640	ug/kg
DUP026-20140220	480-55087-12	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
DUP026-20140220	480-55087-12	4-NITROANILINE	2/26/2014		Yes	N	U		U	3600	210	ug/kg
DUP026-20140220	480-55087-12	DIBENZOFURAN	2/26/2014	110	Yes	Υ	J		J	1900	19	ug/kg
DUP026-20140220	480-55087-12	NAPHTHALENE	2/26/2014	160	Yes	Υ	J		J	1900	31	ug/kg
DUP026-20140220	480-55087-12	CHRYSENE	2/26/2014	640	Yes	Υ	J		j	1900	18	ug/kg
DUP026-20140220	480-55087-12	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	1900	43	ug/kg
DUP026-20140220	480-55087-12	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	800	ug/kg
DUP026-20140220	480-55087-12	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	56	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	190	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
DUP026-20140220	480-55087-12	BENZO(G,H,I)PERYLENE	2/26/2014	820	Yes	Υ	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	BENZO(K)FLUORANTHENE	2/26/2014	320	Yes	Υ	J		J	1900	20	ug/kg
DUP026-20140220	480-55087-12	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	490	ug/kg
DUP026-20140220	480-55087-12	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	110	ug/kg
DUP026-20140220	480-55087-12	CARBAZOLE	2/26/2014		Yes	N	U		U	1900	21	ug/kg
DUP026-20140220	480-55087-12	ATRAZINE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
DUP026-20140220	480-55087-12	ACENAPHTHENE	2/26/2014	180	Yes	Υ	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
DUP026-20140220	480-55087-12	ANTHRACENE	2/26/2014	270	Yes	Υ	J		J	1900	47	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	FLUORANTHENE	2/26/2014	860	Yes	Υ	J		J	1900	27	ug/kg
DUP026-20140220	480-55087-12	BENZALDEHYDE	2/26/2014		Yes	N	U		U	1900	200	ug/kg
DUP026-20140220	480-55087-12	BENZO(A)ANTHRACENE	2/26/2014	580	Yes	Υ	J		J	1900	32	ug/kg
DUP026-20140220	480-55087-12	FLUORENE	2/26/2014	140	Yes	Υ	J		J	1900	42	ug/kg
DUP026-20140220	480-55087-12	BENZO(B)FLUORANTHENE	2/26/2014	730	Yes	Υ	J		J	1900	36	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	140	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	560	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	1900	91	ug/kg
DUP026-20140220	480-55087-12	BENZO(A)PYRENE	2/26/2014	610	Yes	Υ	J		J	1900	44	ug/kg
DUP026-20140220	480-55087-12	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
FB027-20140220	480-55087-17	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
FB027-20140220	480-55087-17	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB027-20140220	480-55087-17	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
FB027-20140220	480-55087-17	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
FB027-20140220	480-55087-17	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB027-20140220	480-55087-17	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
FB027-20140220	480-55087-17	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l

Analytical Method	SW8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qu	al <u>Final qual</u>	RL	MDL	Units
FB027-20140220	480-55087-17	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	DI-N-BUTYL PHTHALATE	2/25/2014	0.52	Yes	Υ	J	J	5.0	0.31	ug/l
FB027-20140220	480-55087-17	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	DIETHYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.22	ug/l
FB027-20140220	480-55087-17	DIBENZOFURAN	2/25/2014		Yes	N	U	U	10	0.51	ug/l
FB027-20140220	480-55087-17	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
FB027-20140220	480-55087-17	CHRYSENE	2/25/2014		Yes	N	U	U	5.0	0.33	ug/l
FB027-20140220	480-55087-17	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	HEXACHLOROETHANE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U	U	5.0	0.68	ug/l
FB027-20140220	480-55087-17	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
FB027-20140220	480-55087-17	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.73	ug/l
FB027-20140220	480-55087-17	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
FB027-20140220	480-55087-17	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U	U	5.0	0.65	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U ,	U	5.0	0.52	ug/l
FB027-20140220	480-55087-17	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U	U	5.0	1.8	ug/i
FB027-20140220	480-55087-17	CAPROLACTAM	2/25/2014		Yes	N	υ	U	5.0	2.2	ug/l
FB027-20140220	480-55087-17	CARBAZOLE	2/25/2014		Yes	N	U	U	5.0	0.30	ug/l
FB027-20140220	480-55087-17	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U	U	5.0	0.48	ug/l
FB027-20140220	480-55087-17	ACETOPHENONE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB027-20140220	480-55087-17	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
FB027-20140220	480-55087-17	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l
FB027-20140220	480-55087-17	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
FB027-20140220	480-55087-17	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l
FB027-20140220	480-55087-17	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
FB027-20140220	480-55087-17	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
FB027-20140220	480-55087-17	ATRAZINE	2/25/2014		Yes	N	U		υ	5.0	0.46	ug/l
FB027-20140220	480-55087-17	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
FB027-20140220	480-55087-17	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
FB027-20140220	480-55087-17	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB027-20140220	480-55087-17	2-NITROPHENOL	2/25/2014		Yes	N	U		υ	5.0	0.48	ug/l
FB027-20140220	480-55087-17	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
FB027-20140220	480-55087-17	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
FB027-20140220	480-55087-17	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l

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Analytical Method SW											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	<mark>al Qual Final q</mark>	ial RL	MDL	Units
FB027-20140220	480-55087-17	ISOPHORONE	2/25/2014		Yes	N	U	U	5.0	0.43	ug/l
FB027-20140220	480-55087-17	3-NITROANILINE	2/25/2014		Yes	N	U	U	10	0.48	ug/l
LT-C-048-0-2-20140220	480-55087-22	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U	U	190	2.0	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U	U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U	U	190	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U	U	190	16	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U	U	190	19	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(G,H,I)PERYLENE	2/26/2014	150	Yes	Υ	J	J	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACETOPHENONE	2/26/2014		Yes	N	U	U	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	U	190	50	ug/kg
LT-C-048-0-2-20140220	480-55087-22	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	U	190	160	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U	U	190	3.6	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	υ	U	190	41	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U	U	190	9.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U	U	190	50	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	U	360	65	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U	U	190	29	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U	U	190	45	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U	U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-CHLOROPHENOL	2/26/2014		Yes	N	U	U	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U	U	190	2.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U	U	190	5.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ATRAZINE	2/26/2014		Yes	N	U	U	190	8.3	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample 1 0	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Va	Qual Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	2-NITROPHENOL	2/26/2014		Yes	N	U	U	190	8.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(A)PYRENE	2/26/2014		Yes	N	U	U	190	4.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	3-NITROANILINE	2/26/2014		Yes	N	U	U	360	43	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U	U	360	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U	190	59	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U	U	190	7.6	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLOROANILINE	2/26/2014		Yes	N	U	U	190	55	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U	190	4.0	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U	U	360	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-NITROANILINE	2/26/2014		Yes	N	U	U	360	21	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-NITROPHENOL	2/26/2014		Yes	N	U	U	360	45	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACENAPHTHENE	2/26/2014		Yes	N	U	U	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACENAPHTHYLENE	2/26/2014		Yes	N	U	U	190	1.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ANTHRACENE	2/26/2014		Yes	N	U	U	190	4.8	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZALDEHYDE	2/26/2014		Yes	N	U	U	190	20	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-NITROANILINE	2/26/2014		Yes	N	U	U	360	60	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	U	190	56	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CARBAZOLE	2/26/2014		Yes	N	U	U	190	2.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CHRYSENE	2/26/2014		Yes	N	υ	U	190	1.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U	U	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIBENZOFURAN	2/26/2014		Yes	N	U	U	190	1.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIETHYL PHTHALATE	2/26/2014		Yes	N	U	U	190	5,6	ug/kg
LT-C-048-0-2-20140220	480-55087 - 22	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U	U	190	4.8	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U	U	190	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	U	190	4.3	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Fin	al qual_	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	FLUORANTHENE	2/26/2014		Yes	N	U	u	ı	190	2.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	FLUORENE	2/26/2014		Yes	N	U	U	ı	190	4.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CAPROLACTAM	2/26/2014		Yes	N	U	U	I	190	80	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U	U	ı	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ISOPHORONE	2/26/2014		Yes	N	U	u	I	190	9.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROETHANE	2/26/2014		Yes	N	U	U	Ī	190	14	ug/kg
LT-C-048-0-2-20140220	480-55087-22	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U	U	I	190	5.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	NAPHTHALENE	2/26/2014		Yes	N	U	U	l	190	3.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U	U	ı	190	15	ug/kg
LT-C-048-0-2-20140220	480-55087-22	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U	u	ı	190	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PENTACHLOROPHENOL	2/26/2014		Yes	N	U	L	I	360	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PHENANTHRENE	2/26/2014		Yes	N	U	U	ı	190	3.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PHENOL	2/26/2014		Yes	N	U	u	l	190	20	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PYRENE	2/26/2014		Yes	N	U	U	1	190	1.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U	U	ŀ	190	3.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U	U	ı	190	60	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROBENZENE	2/26/2014		Yes	N	U	U	l	190	9.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	NITROBENZENE	2/26/2014		Yes	N	U	U	I	190	8.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-NITROANILINE	2/26/2014		Yes	N	U	U	l	370	60	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	U	l	370	66	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U	u	ı	190	29	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U	U	1	190	46	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U	U	l I	190	13	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-CHLOROPHENOL	2/26/2014		Yes	N	U	U	l	190	9.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U		190	60	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Re</u> sult	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
LT-C-048-2-4-20140220	480-55087-23	3-NITROANILINE	2/26/2014		Yes	N	U		U	370	43	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	370	65	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIBENZOFURAN	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	FLUORENE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	51	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	57	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	370	64	ug/kg
LT-C-048-2-4-20140220	480-55087-23	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	190	5.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	NAPHTHALENE	2/26/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-048-2-4-20140220	480-55087-23	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	υ		U	190	15	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		Ü	190	7.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-NITROPHENOL	2/26/2014		Yes	N	U		U	370	45	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	21	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ATRAZINE	2/26/2014		Yes	N	U		υ	190	8.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ANTHRACENE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACENAPHTHENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-NITROANILINE	2/26/2014		Yes	N	U		U	370	21	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PYRENE	2/26/2014		Yes	N	U		U	190	1.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PHENOL	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PHENANTHRENE	2/26/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U	•	U	190	12	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLOROANILINE	2/26/2014		Yes	N	υ		U	190	55	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	4.0	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CHRYSENE	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CARBAZOLE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	81	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	41	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	υ		U	190	65	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	50	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	190	60	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		υ	370	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-048-6-8-20140220	480-55087-24	FLUORANTHENE	2/26/2014		Yes	N	U		U	200	2.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ISOPHORONE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CHRYSENE	2/26/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIBENZOFURAN	2/26/2014		Yes	N	U		U	200	2.1	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	6.1	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	200	5.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CAPROLACTAM	2/26/2014		Yes	N	U		U	200	87	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	200	65	ug/kg
LT-C-048-6-8-20140220	480-55087-24	FLUORENE	2/26/2014		Yes	N	U		U	200	4.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	200	61	ug/kg
LT-C-048-6-8-20140220	480-55087-24	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	200	5.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		υ	200	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg

Analytical Method SW	8270D										
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qua	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	ACENAPHTHYLENE	2/26/2014		Yes	N	U	U	200	1.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ACETOPHENONE	2/26/2014		Yes	N	U	U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ANTHRACENE	2/26/2014		Yes	N	U	U	200	5.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ATRAZINE	2/26/2014		Yes	N	U	U	200	9.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZALDEHYDE	2/26/2014		Yes	N	U	U	200	22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U	U	200	3.5	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CARBAZOLE	2/26/2014		Yes	N	U	U	200	2.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U	U	200	3.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROETHANE	2/26/2014		Yes	N	U	U	200	16	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U	U	200	2.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	U	200	54	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U	υ	200	13	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U	U	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U	U	200	17	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U	U	200	21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(A)PYRENE	2/26/2014		Yes	N	U	U	200	4.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U	U	200	31	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-NITROPHENOL	2/26/2014		Yes	N	U	U	200	9.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-NITROANILINE	2/26/2014		Yes	N	U	U	390	65	ug/kg
LT-C-048-6-8-20140220	480-55087-24	NAPHTHALENE	2/26/2014		Yes	N	U	U	200	3.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U	U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U	U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	U	200	180	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U	U	200	49	ug/kg

Analytical Method SW	8270D			-							
Sample 1D	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U	U	200	6.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	U	390	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ACENAPHTHENE	2/26/2014		Yes	N	U	U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U	U	200	54	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U	υ	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	200	13	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	200	44	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U	U	200	14	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-NITROPHENOL	2/26/2014		Yes	N	U	U	390	49	ug/kg
LT-C-048-6-8-20140220	480-55087-24	NITROBENZENE	2/26/2014		Yes	N	U	U	200	8.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U	U	200	16	ug/kg
LT-C-048-6-8-20140220	480-55087-24	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U	U	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-CHLOROPHENOL	2/26/2014		Yes	N	U	U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PHENANTHRENE	2/26/2014		Yes	N	U	U	200	4.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	3-NITROANILINE	2/26/2014		Yes	N	U	U	390	46	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-NITROANILINE	2/26/2014		Yes	N	U	U	390	22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U	U	390	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PHENOL	2/26/2014		Yes	N	U	U	200	21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PENTACHLOROPHENOL	2/26/2014		Yes	N	U	U	390	69	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U	U	390	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PYRENE	2/26/2014		Yes	N	U	U	200	1.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U	200	64	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U	U	200	8.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLOROANILINE	2/26/2014		Yes	N	U	U	200	59	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U	U	200	4.3	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual \	/al Qual Fin	ıal qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	BENZO(G,H,I)PERYLENE	2/27/2014	49	Yes	Υ	J	J	J	180	2.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-CHLOROPHENOL	2/27/2014		Yes	N	U	ι	J	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U	ι	J	180	9.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U	ι	J	180	49	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DINITROPHENOL	2/27/2014		Yes	N	U	ι	J	360	64	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U	ι	J	180	28	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U	ι	J	180	45	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U	ι	ز	180	12	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U	ι	J	180	12	ug/kg
L.T-C-049-0-2-20140220	480-55087-32	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U	ι	J	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	180	Yes	Υ				180	59	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CAPROLACTAM	2/27/2014		Yes	N	υ	ι	J	180	79	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CARBAZOLE	2/27/2014		Yes	N	U	ι	j	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CHRYSENE	2/27/2014	140	Yes	Υ	J		J	180	1.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U	l	J	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIBENZOFURAN	2/27/2014		Yes	N	U	Ų	J	180	1.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIETHYL PHTHALATE	2/27/2014		Yes	N	U	ι	J	180	5.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U	ι	J	180	4.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U	ι	J	180	63	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U	ι	J	180	4.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	FLUORANTHENE	2/27/2014	240	Yes	Υ				180	2.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U	ι	J	180	19	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROBENZENE	2/27/2014		Yes	N	U	ι	j	180	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	ι	J	180	55	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROETHANE	2/27/2014		Yes	N	U	ι	J	180	14	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL_	Units
LT-C-049-0-2-20140220	480-55087-32	ISOPHORONE	2/27/2014		Yes	N	U	U	180	9.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	NAPHTHALENE	2/27/2014		Yes	N	U	U	180	3.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	NITROBENŻENE	2/27/2014		Yes	N	U	U	180	8.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U	U	180	14	ug/kg
LT-C-049-0-2-20140220	480-55087-32	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U	U	180	9.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PENTACHLOROPHENOL	2/27/2014		Yes	N	U	U	360	62	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PHENANTHRENE	2/27/2014	74	Yes	Υ	J	J	180	3.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PHENOL	2/27/2014		Yes	N	U	U	180	19	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PYRENE	2/27/2014	200	Yes	Υ			180	1.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U	U	180	2.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(A)PYRENE	2/27/2014	140	Yes	Υ	J	J	180	4.4	ug/kg
LT-C-049-0-2-20140220	480-55087-32	FLUORENE	2/27/2014		Yes	N	U	υ	180	4.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLOROANILINE	2/27/2014		Yes	N	U	υ	180	53	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U	U	180	5.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	INDENO(1,2,3-C,D)PYRENE	2/27/2014	45	Yes	Υ	J	J	180	5.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U	U	180	16	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-NITROPHENOL	2/27/2014		Yes	N	U	U	180	8.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U	U	180	160	ug/kg
LT-C-049-0-2-20140220	480-55087-32	3-NITROANILINE	2/27/2014		Yes	N	U	υ	360	42	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	υ	U	360	63	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U	U	180	7.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-NITROANILINE	2/27/2014		Yes	N	U	U	360	58	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U	U	180	3.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U	U	360	10	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	20	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-NITROPHENOL	2/27/2014		Yes	N	υ		U	360	44	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(A)ANTHRACENE	2/27/2014	130	Yes	Υ	J		J	180	3.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	180	11	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	180	58	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACENAPHTHENE	2/27/2014	11	Yes	Υ	J		J	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(K)FLUORANTHENE	2/27/2014	88	Yes	Υ	J		J	180	2.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(B)FLUORANTHENE	2/27/2014	200	Yes	Υ				180	3.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	180	49	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZALDEHYDE	2/27/2014		Yes	N	U		U	180	20	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ATRAZINE	2/27/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ANTHRACENE	2/27/2014	30	Yes	Υ	J		J	180	4.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACETOPHENONE	2/27/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	180	1.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	180	40	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	200	5.1	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CHRYSENE	2/27/2014		Yes	N	υ		U	200	2.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	200	5.9	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	200	68	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIBENZOFURAN	2/27/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	200	4.6	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CARBAZOLE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CAPROLACTAM	2/27/2014		Yes	N	U		U	200	85	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	200	63	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	200	17	ug/kg
LT-C-049-2-4-20140220	480-55087-33	FLUORANTHENE	2/27/2014		Yes	N	Ų		U	200	2.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	200	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	200	12	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	200	20	ug/kg
LT-C-049-2-4-20140220	480-55087-33	NAPHTHALENE	2/27/2014		Yes	N	U		U	200	3.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	380	69	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	200	53	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PYRENE	2/27/2014		Yes	N	υ		U	200	1.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PHENOL	2/27/2014		Yes	N	U		U	200	21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PHENANTHRENE	2/27/2014		Yes	N	U		U	200	4.1	ug/kg
LT-C-049-2-4-20140220	480-55087-33	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	200	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	380	67	ug/kg
LT-C-049-2-4-20140220	480-55087-33	NITROBENZENE	2/27/2014		Yes	N	U		U	200	8.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	FLUORENE	2/27/2014		Yes	N	U		U	200	4.5	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ISOPHORONE	2/27/2014		Yes	N	U		U	200	9.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	200	5.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	200	15	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	200	59	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	200	9.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	υ		U	200	16	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	200	10	ug/kg

Analytical Method SW	3270D											
Sample iD	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	380	68	ug/kg
LT-C-049-2-4-20140220	480-55087-33	3-NITROANILINE	2/27/2014		Yes	N	U		U	380	45	ug/kg
LT-C-049-2-4-20140220	480-55087-33	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	200	170	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-NITROPHENOL	2/27/2014		Yes	N	U		U	200	9.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-NITROANILINE	2/27/2014		Yes	N	U		U	380	63	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	200	48	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	200	57	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	200	13	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		υ	200	30	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	200	53	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	13	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	43	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	200	6.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	200	1.6	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	200	3.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	200	3.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZALDEHYDE	2/27/2014		Yes	N	U		U	200	21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ATRAZINE	2/27/2014		Yes	N	U		U	200	8.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	200	62	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ACETOPHENONE	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	200	8.1	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	ACENAPHTHENE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-NITROPHENOL	2/27/2014		Yes	N	U		U	380	47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-NITROANILINE	2/27/2014		Yes	N	U		U	380	22	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	380	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	200	4.2	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	200	2.2	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ANTHRACENE	2/27/2014		Yes	N	U		U	200	5.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	210	180	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	210	3.6	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZALDEHYDE	2/27/2014		Yes	N	U		U	210	23	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ATRAZINE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ANTHRACENE	2/27/2014		Yes	N	U		U	210	5.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACETOPHENONE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	210	1.7	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACENAPHTHENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-NITROPHENOL	2/27/2014		Yes	N	U		U	410	51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-NITROANILINE	2/27/2014		Yes	N	U		U	410	23	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	410	12	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	210	61	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	210	8.6	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	66	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	4.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	210	14	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	46	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	14 .	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL_	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	210	56	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	410	73	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	3-NITROANILINE	2/27/2014		Yes	N	U		U	410	48	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		υ	210	6.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-NITROANILINE	2/27/2014		Yes	N	U		U	410	67	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-NITROPHENOL	2/27/2014		Yes	N	U		U	210	9.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	32	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	5.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		υ	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	210	17	ug/kg
LT-C-049-8-10-20140220	480-55087-34	NITROBENZENE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	NAPHTHALENE	2/27/2014		Yes	N	U		U	210	3.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ISOPHORONE	2/27/2014		Yes	N	U		U	210	10	ug/kg
LT-C-049-8-10-20140220	480-55087-34	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	210	5.8	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROETHANE	2/27/2014		Yes	N	U		υ	210	16	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	210	63	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	210	10	ug/kg
LT-C-049-8-10-20140220	480-55087-34	FLUORENE	2/27/2014		Yes	N	U		U	210	4.8	ug/kg

Analytical Method SW												11
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	<u>rl</u>	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	FLUORANTHENE	2/27/2014		Yes	N	U		U	210	3.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	210	5.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CAPROLACTAM	2/27/2014		Yes	N	U		U	210	90	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	210	2.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	56	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	υ		U	210	13	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		υ	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	210	18	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	210	4.9	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	210	67	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	210	4.1	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CARBAZOLE	2/27/2014		Yes	N	U		U	210	2.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CHRYSENE	2/27/2014		Yes	N	U		U	210	2.1	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIBENZOFURAN	2/27/2014		Yes	N	U		U	210	2.2	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	6.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	210	22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PHENANTHRENE	2/27/2014		Yes	N	U		U	210	4.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PHENOL	2/27/2014		Yes	N	U		U	210	22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PYRENE	2/27/2014		Yes	N	U		U	210	1.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	200	10	ug/kg

Analytical Method SW	3270D						-					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	CARBAZOLE	2/26/2014		Yes	N	U		U	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	CHRYSENE	2/26/2014	67	Yes	Υ	J		J	200	2.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIBENZOFURAN	2/26/2014		Yes	N	U		U	200	2.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	5.9	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		υ	200	5.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	200	68	ug/kg
LT-XC-020-02-20140220	480-55087-1	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	200	4.6	ug/kg
LT-XC-020-02-20140220	480-55087-1	FLUORANTHENE	2/26/2014	57	Yes	Υ	J		J	200	2.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	CAPROLACTAM	2/26/2014		Yes	N	U		υ	200	85	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	200	9.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	200	5.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	200	59	ug/kg
LT-XC-020-02-20140220	480 - 55087-1	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	200	15	ug/kg
LT-XC-020-02-20140220	480-55087-1	ISOPHORONE	2/26/2014		Yes	N	U		U	200	9.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	200	16	ug/kg
LT-XC-020-02-20140220	480-55087-1	NITROBENZENE	2/26/2014		Yes	N	U		U	200	8.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	380	67	ug/kg
LT-XC-020-02-20140220	480-55087-1	PHENANTHRENE	2/26/2014	44	Yes	Υ	J		J	200	4.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	PHENOL	2/26/2014		Yes	N	U		U	200	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	PYRENE	2/26/2014	110	Yes	Υ	J		j	200	1.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	43	ug/kg
LT-XC-020-02-20140220	480-55087-1	FLUORENE	2/26/2014	11	Yes	Υ	J		J	200	4.5	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-NITROPHENOL	2/26/2014		Yes	N	U		U	380	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	NAPHTHALENE	2/26/2014		Yes	N	U		U	200	3.3	ug/kg

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	lah Anal Vali	Qual Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	230	Yes	Y	Lub Quur sur	face i ster dans	200	63	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLORO-3-METHYLPHENOL	2/26/2014	200	Yes	, N	U	U	200	8.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLOROANILINE	2/26/2014		Yes	N	U	U	200	58	
							_	-			ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLOROPHENYL PHENYL ETHER			Yes	N	U	U 	200	4.2	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-NITROANILINE	2/26/2014		Yes	N	U	U	380	22	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACENAPHTHENE	2/26/2014	7.1	Yes	Υ	J	J	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACENAPHTHYLENE	2/26/2014		Yes	N	U	U	200	1.6	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACETOPHENONE	2/26/2014		Yes	N	U	U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	ANTHRACENE	2/26/2014	15	Yes	Υ	J	J	200	5.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	ATRAZINE	2/26/2014		Yes	N	U	U	200	8.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U	U	200	2.2	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U	U	200	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U	U	380	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZALDEHYDE	2/26/2014		Yes	N	U	U	200	22	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U	U	200	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U	U	200	12	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	U	200	53	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U	U	200	17	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U	U	200	2.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U	U	200	3.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(A)PYRENE	2/26/2014		Yes	N	U	U	200	4.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(A)ANTHRACENE	2/26/2014	50	Yes	Υ	J	J	200	3.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-NITROANILINE	2/26/2014		Yes	N	U	U	380	63	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U	U	200	13	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample ID	Chemical <u>Name</u>	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	200	53	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	380	69	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	30	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	200	13	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	200	6.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-NITROPHENOL	2/26/2014		Yes	N	U		U	200	9.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	200	170	ug/kg
LT-XC-020-02-20140220	480-55087-1	3-NITROANILINE	2/26/2014		Yes	N	U		U	380	45	ug/kg
LT-XC-020-02-20140220	480-55087-1	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	380	68	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	200	62	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-METHYLNAPHTHALENE	2/26/2014	4.7	Yes	Υ	J		j	200	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	210	6.2	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CARBAZOLE	2/25/2014		Yes	N	U		U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	210	5.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	210	71	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CHRYSENE	2/25/2014		Yes	N	U		U	210	2.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIBENZOFURAN	2/25/2014		Yes	N	U		U	210	2.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CAPROLACTAM	2/25/2014		Yes	N	U		U	210	89	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	210	66	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	210	21	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	210	11	ug/kg

Analytical Method SW8	3270D							-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	U	210	4.8	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PHENANTHRENE	2/25/2014		Yes	N	U	U	210	4.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U	U	210	13	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	210	55	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	υ	U	210	18	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ISOPHORONE	2/25/2014		Yes	N	U	υ	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACENAPHTHENE	2/25/2014		Yes	N	U	U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	U	210	2.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PYRENE	2/25/2014		Yes	N	U	U	210	1.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PHENOL	2/25/2014		Yes	N	U	υ	210	22	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	400	70	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U	U	210	16	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U	U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	NAPHTHALENE	2/25/2014		Yes	N	U	U	210	3.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	FLUORANTHENE	2/25/2014		Yes	N	U	U	210	3.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U	U	210	5.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROETHANE	2/25/2014		Yes	N	U	υ	210	16	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	U	210	62	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U	U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROBENZENE	2/25/2014		Yes	N	Ų	U	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	FLUORENE	2/25/2014		Yes	N	U	U	210	4.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	NITROBENZENE	2/25/2014		Yes	N	U	U	210	9.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U	U	210	32	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U	U	210	180	ug/kg

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Sample ID	Lab Sample D	Chemical Name	<u>Anal Date</u>	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MD</u> L	Units
LT-XC-020-4-6-20140220	480-55087-2	2-NITROPHENOL	2/25/2014		Yes	N	U		U	210	9.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-NITROANILINE	2/25/2014		Yes	N	U		U	400	66	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	210	6.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	υ		U	210	2.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	3-NITROANILINE	2/25/2014		Yes	N	U		U	400	47	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,6-DINITROTOLUENE	2/25/2014		Yes	N	υ		U	210	50	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	14	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	400	72	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	210	55	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	210	2.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	45	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACETOPHENONE	2/25/2014		Yes	N	U	•	U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	210	14	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	υ		U	210	3.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	400	71	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(A)PYRENE	2/25/2014		Yes	N	υ		U	210	5.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZALDEHYDE	2/25/2014		Yes	N	U		U	210	23	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ATRAZINE	2/25/2014		Yes	N	U		U	210	9.1	u g /kg
LT-XC-020-4-6-20140220	480-55087-2	ANTHRACENE	2/25/2014		Yes	N	U		U	210	5.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	210	1.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	210	8.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-NITROANILINE	2/25/2014		Yes	N	U		υ	400	23	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	210	4.0	ug/kg

Analytical Method SW		01 . 1 111										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	<u>Val Qual</u>	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	400	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	210	4.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	210	60	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-NITROPHENOL	2/25/2014		Yes	N	U		U	400	50°	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		υ	210	65	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	83	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CHRYSENE	2/25/2014		Yes	N	U		U	190	1.9	ug/kg
LT-XC-020-6-8-20140220	480-5508 7- 3	DIBENZOFURAN	2/25/2014		Yes	N	U		υ	190	2.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	190	4.5	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	190	62	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	190	17	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	12	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	FLUORANTHENE	2/25/2014		Yes	N	U		U	190	2.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	52	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	190	2.1	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	190	20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	NAPHTHALENE	2/25/2014		Yes	N	U		U	190	3.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CARBAZOLE	2/25/2014		Yes	N	U		U	190	2.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg

Analytical Method SW82	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-6-8-20140220	480-55087-3	PHENOL	2/25/2014		Yes	N	U		U	190	20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PHENANTHRENE	2/25/2014		Yes	N	U		U	190	4.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	380	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ISOPHORONE	2/25/2014		Yes	N	U		υ	190	9.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	190	15	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	FLUORENE	2/25/2014		Yes	N	U		U	190	4.4	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PYRENE	2/25/2014		Yes	N	U		U	190	1.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	190	5.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	190	15	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	190	58	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		υ	190	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	380	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	3-NITROANILINE	2/25/2014		Yes	N	U		U	380	44	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-NITROPHENOL	2/25/2014		Yes	N	U		U	190	8.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	190	5.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		υ	190	61	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		υ	190	13	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	190	170	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	30	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	380	67	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	190	52	ug/kg

Analytical Method SW8	270D							,				
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-6-8-20140220	480-55087-3	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	10	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	13	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	42	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACETOPHENONE	2/25/2014		Yes	N	U		U	190	9.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	190	4.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	υ		U	190	3.3	ug/kg
LT-XC-020-6-8-20140220	480-55087 - 3	BENZALDEHYDE	2/25/2014		Yes	N	U		U	190	21	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-NITROANILINE	2/25/2014		Yes	N	U		U	380	62	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ANTHRACENE	2/25/2014		Yes	N	U		U	190	4.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	190	7.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	190	1.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACENAPHTHENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	190	56	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-NITROPHENOL	2/25/2014		Yes	N	U		U	380	47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	190	3.7	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-NITROANILINE	2/25/2014		Yes	N	U		U	380	21	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		υ	380	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	4.1	ug/kg
LT-XC-020-6-8-20140220	480-55087 - 3	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ATRAZINE	2/25/2014		Yes	N	U		υ	190	8.6	ug/kg

Analytical Method	SW6010C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801673811A	4801673811A	COBALT	2/27/2014		Yes	N	U	U	2.7	0.054	mg/kg
4801673811A	4801673811A	VANADIUM	2/27/2014		Yes	N	υ	U	2.7	0.12	mg/kg
4801673811A	4801673811A	THALLIUM	2/27/2014		Yes	N	U	U	32.6	0.33	mg/kg
4801673811A	4801673811A	SODIUM	2/27/2014		Yes	N	U	U	761	14.1	mg/kg
4801673811A	4801673811A	SILVER	2/27/2014		Yes	N	U	U	2.7	0.22	mg/kg
4801673811A	4801673811A	SELENIUM	2/27/2014		Yes	N	U	U	21.7	0.43	mg/kg
4801673811A	4801673811A	POTASSIUM	2/27/2014		Yes	N	U	U	163	21.7	mg/kg
4801673811A	4801673811A	NICKEL	2/27/2014		Yes	N	U	U	27.2	0.25	mg/kg
4801673811A	4801673811A	MANGANESE	2/27/2014	0.134	Yes	Υ	J	J	1.1	0.035	mg/kg
4801673811A	4801673811A	ZINC	2/27/2014	0.354	Yes	Υ	J	J	10.9	0.17	mg/kg
4801673811A	4801673811A	IRON	2/27/2014	5.23	Yes	Υ	J	J	54.3	1.2	mg/kg
4801673811A	4801673811A	LEAD	2/27/2014		Yes	N	U	U	5.4	0.26	mg/kg
4801673811A	4801673811A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U	υ	2.7	0.22	mg/kg
4801673811A	4801673811A	CALCIUM	2/27/2014	7.49	Yes	Υ	J	J	272	3.6	mg/kg
4801673811A	4801673811A	CADMIUM	2/27/2014		Yes	N	U	U	1.1	0.033	mg/kg
4801673811A	4801673811A	BERYLLIUM	2/27/2014		Yes	N	υ	U	1.1	0.030	mg/kg
4801673811A	4801673811A	BARIUM	2/27/2014		Yes	N	U	U	2.7	0.12	mg/kg
4801673811A	4801673811A	ARSENIC	2/27/2014		Yes	N	U	U	10.9	0.43	mg/kg
4801673811A	4801673811A	ANTIMONY	2/27/2014		Yes	N	U	U	81.5	0.43	mg/kg
4801673811A	4801673811A	ALUMINUM	2/27/2014		Yes	N	U	υ	54.3	4.8	mg/kg
4801673811A	4801673811A	MAGNESIUM	2/27/2014	2.33	Yes	Υ	J	J	109	1.0	mg/kg
4801673811A	4801673811A	COPPER	2/27/2014		Yes	N	υ	U	5.4	0.23	mg/kg
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U	U	0.20	0.043	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U	U	0.020	0.0068	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	U	U	0.20	0.060	mg/l

Analytical Method	SW6010C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qu <u>al</u>	Val Qual Final qual	RL	MDL	Units
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U	U	0.0020	0.00030	mg/l
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	U	U	0.0010	0.00050	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U	U	0.50	0.10	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	Ν	U	υ	0.0040	0.0010	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	U	υ	0.010	0.0056	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	U	U	0.0040	0.00063	mg/l
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U	U	0.010	0.0016	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Υ	J	J	0.010	0.0015	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U	U	0.0050	0.0030	mg/l
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Υ	J	J	0.0030	0.00040	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U	U	0.010	0.0013	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U	U	0.50	0.10	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U	U	0.015	0.0087	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U	U	0.0030	0.0017	mg/l
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U	U	1.0	0.32	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U	U	0.020	0.010	mg/l
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U	U	0.0050	0.0015	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U	υ	0.0020	0.00070	mg/l
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Υ	J	J	0.050	0.019	mg/l
CC-C-029-0-2-201402	19 480-55092-1	NICKEL	2/27/2014	10.5	Yes	Υ	J	J	30.9	0.28	mg/kg
CC-C-029-0-2-201402	19 480-55092-1	POTASSIUM	2/27/2014	499	Yes	Υ			185	24.7	mg/kg
CC-C-029-0-2-201402	19 480-55092-1	SELENIUM	2/27/2014	0.56	Yes	Υ	J	J	24.7	0.49	mg/kg
CC-C-029-0-2-201402	19 480-55092-1	SILVER	2/27/2014	1.3	Yes	Υ	J	J	3.1	0.25	mg/kg
CC-C-029-0-2-201402	19 480-55092-1	THALLIUM .	2/27/2014		Yes	N	U	U	37.0	0.37	mg/kg
CC-C-029-0-2-201402	19 480-55092-1	ZINC	2/27/2014	190	Yes	Υ	В		12.3	0.19	mg/kg

Analytical Method SW	6010C						_					
Sample ID	Lab Sample 1 D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	ANTIMONY	2/27/2014	2.7	Yes	Υ	J	J	J	92.6	0.49	mg/kg
CC-C-029-0-2-20140219	480-55092-1	VANADIUM	2/27/2014	12.5	Yes	Υ				3.1	0.14	mg/kg
CC-C-029-0-2-20140219	480-55092-1	MANGANESE	2/27/2014	173	Yes	Υ	В			1.2	0.039	mg/kg
CC-C-029-0-2-20140219	480-55092-1	ALUMINUM	2/27/2014	4700	Yes	Υ		J ·	J	61.7	5.4	mg/kg
CC-C-029-0-2-20140219	480-55092-1	BARIUM	2/27/2014	42.9	Yes	Υ				3.1	0.14	mg/kg
CC-C-029-0-2-20140219	480-55092-1	LEAD	2/27/2014	102	Yes	Υ		J	J	6.2	0.30	mg/kg
CC-C-029-0-2-20140219	480-55092-1	IRON	2/27/2014	10000	Yes	Υ	В			61.7	1.4	mg/kg
CC-C-029-0-2-20140219	480-55092-1	COPPER	2/27/2014	52.6	Yes	Υ		J	J	6.2	0.26	mg/kg
CC-C-029-0-2-20140219	480-55092-1	COBALT	2/27/2014	4.1	Yes	Υ				3.1	0.062	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CHROMIUM, TOTAL	2/27/2014	15.9	Yes	Υ		J	J	3.1	0.25	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CALCIUM	2/27/2014	11600	Yes	Υ	В			309	4.1	mg/kg
CC-C-029-0-2-20140219	480-55092-1	BERYLLIUM	2/27/2014	0.19	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CADMIUM	2/27/2014	0.61	Yes	Υ	j		J	1.2	0.037	mg/kg
CC-C-029-0-2-20140219	480-55092-1	ARSENIC	2/27/2014	5.8	Yes	Υ	J		J	12.3	0.49	mg/kg
CC-C-029-0-2-20140219	480-55092-1	MAGNESIUM	2/27/2014	1800	Yes	Υ	В	J	J	123	1.1	mg/kg
CC-C-029-0-2-20140219	480-55092-1	SODIUM	2/28/2014	89.5	Yes	Υ	J		J	864	16.0	mg/kg
CC-C-029-2-4-20140219	480-55092 - 9	MAGNESIUM	2/27/2014	2110	Yes	Υ	В	J	J	125	1.2	mg/kg
CC-C-029-2-4-20140219	480-55092-9	COPPER	2/27/2014	98.1	Yes	Υ		J	J	6.3	0.26	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SILVER	2/27/2014	2.3	Yes	Υ	J		J	3.1	0.25	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ANTIMONY	2/27/2014	7.8	Yes	Υ	J	J	J	94.0	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SELENIUM	2/27/2014		Yes	N	U		U	25.1	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	POTASSIUM	2/27/2014	600	Yes	Υ				188	25.1	mg/kg
CC-C-029-2-4-20140219	480-55092-9	NICKEL	2/27/2014	17.3	Yes	Υ	J		J	31.3	0.29	mg/kg
CC-C-029-2-4-20140219	480-55092-9	MANGANESE	2/27/2014	225	Yes	Υ	В			1.3	0.040	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ZINC	2/27/2014	182	Yes	Υ	В			12.5	0.19	mg/kg

SDG: 480550921

Analytical Method SW	1-1-0-1-	01 - 2 131 -										II**·
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	THALLIUM	2/27/2014		Yes	N	U		U	37.6	0.38	mg/kg
CC-C-029-2-4-20140219	480-55092-9	LEAD	2/27/2014	169	Yes	Υ		J ·	J	6.3	0.30	mg/kg
CC-C-029-2-4-20140219	480-55092-9	VANADIUM	2/27/2014	13.6	Yes	Υ				3.1	0.14	mg/kg
CC-C-029-2-4-20140219	480-55092-9	BARIUM	2/27/2014	56	Yes	Υ				3.1	0.14	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ARSENIC	2/27/2014	8.6	Yes	Υ	J		J	12.5	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	COBALT	2/27/2014	5.1	Yes	Υ				3.1	0.063	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CHROMIUM, TOTAL	2/27/2014	18.4	Yes	Υ		J	J	3.1	0.25	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CALCIUM	2/27/2014	6550	Yes	Υ	В			313	4.1	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CADMIUM	2/27/2014	0.63	Yes	Υ	J		J	1.3	0.038	mg/kg
CC-C-029-2-4-20140219	480-55092-9	BERYLLIUM	2/27/2014	0.19	Yes	Υ	J		J	1.3	0.035	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ALUMINUM	2/27/2014	5340	Yes	Υ		J	J	62.7	5.5	mg/kg
CC-C-029-2-4-20140219	480-55092-9	IRON	2/27/2014	18700	Yes	Υ	В			62.7	1.4	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SODIUM	2/28/2014	129	Yes	Υ	J		j	877	16.3	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ZINC	2/27/2014	118	Yes	Υ	В			11.8	0.18	mg/kg
CC-C-029-8-10-20140219	480-55092-2	VANADIUM	2/27/2014	8.8	Yes	Υ				3.0	0.13	mg/kg
CC-C-029-8-10-20140219	480-55092-2	THALLIUM	2/27/2014		Yes	Ν	U		U	35.4	0.35	mg/kg
CC-C-029-8-10-20140219	480-55092-2	CALCIUM	2/27/2014	2910	Yes	Υ	В			295	3.9	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SILVER	2/27/2014	5.9	Yes	Υ				3.0	0.24	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ALUMINUM	2/27/2014	3460	Yes	Υ		J	J	59.0	5.2	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ANTIMONY	2/27/2014	8.8	Yes	Υ	J	J	J	88.5	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ARSENIC	2/27/2014	8.4	Yes	Υ	J		J	11.8	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	BARIUM	2/27/2014	44.8	Yes	Υ				3.0	0.13	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SELENIUM	2/27/2014	1.1	Yes	Υ	J		J	23.6	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	CADMIUM	2/27/2014	2.2	Yes	Υ				1.2	0.035	mg/kg
CC-C-029-8-10-20140219	480-55092-2	POTASSIUM	2/27/2014	325	Yes	Υ				177	23.6	mg/kg

Analytical Method SW6	i ah Camala 🌇	Chemical Name	Anal Data	Dec.4	Dor+	Dot	Lab O	Mal O	Final med	D.I		Heite
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	vai Quai	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	CHROMIUM, TOTAL	2/27/2014	11.3	Yes	Υ		J	J	3.0	0.24	mg/kg
CC-C-029-8-10-20140219	480-55092-2	COBALT	2/27/2014	2.5	Yes	Υ	j		J	3.0	0.059	mg/kg
CC-C-029-8-10-20140219	480-55092-2	COPPER	2/27/2014	211	Yes	Υ		J	J	5.9	0.25	mg/kg
CC-C-029-8-10-20140219	480-55092-2	IRON	2/27/2014	7160	Yes	Υ	В			59.0	1.3	mg/kg
CC-C-029-8-10-20140219	480-55092-2	LEAD	2/27/2014	1180	Yes	Υ		J	J	5.9	0.28	mg/kg
CC-C-029-8-10-20140219	480-55092-2	MAGNESIUM	2/27/2014	626	Yes	Υ	В	J	J	118	1.1	mg/kg
CC-C-029-8-10-20140219	480-55092-2	MANGANESE	2/27/2014	210	Yes	Υ	В			1.2	0.038	mg/kg
CC-C-029-8-10-20140219	480-55092-2	NICKEL	2/27/2014	9.3	Yes	Υ	J		J	29.5	0.27	mg/kg
CC-C-029-8-10-20140219	480-55092-2	BERYLLIUM	2/27/2014	0.23	Yes	Υ	J		J	1.2	0.033	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SODIUM	2/28/2014	68.3	Yes	Υ	J		J	826	15.3	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ARSENIC	2/27/2014	14.9	Yes	Υ				10.9	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	LEAD	2/27/2014	270	Yes	Υ		J	J	5.4	0.26	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ZINC	2/27/2014	242	Yes	Υ	В			10.9	0.17	mg/kg
CC-C-041-0-2-20140219	480-55092-3	VANADIUM	2/27/2014	11.6	Yes	Υ				2.7	0.12	mg/kg
CC-C-041-0-2-20140219	480-55092-3	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SILVER	2/27/2014	3.5	Yes	Υ				2.7	0.22	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SELENIUM	2/27/2014	1.1	Yes	Υ	J		J	21.7	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	POTASSIUM	2/27/2014	515	Yes	Υ				163	21.7	mg/kg
CC-C-041-0-2-20140219	480-55092-3	NICKEL	2/27/2014	21	Yes	Υ	J		J	27.2	0.25	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ALUMINUM	2/27/2014	4930	Yes	Υ		J	J	54.3	4.8	mg/kg
CC-C-041-0-2-20140219	480-55092-3	MAGNESIUM	2/27/2014	3300	Yes	Υ	В	J	J	109	1.0	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ANTIMONY	2/27/2014	9.3	Yes	Υ	J	J	J	81.5	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	IRON	2/27/2014	15300	Yes	Υ	В			54.3	1.2	mg/kg
CC-C-041-0-2-20140219	480-55092-3	COPPER	2/27/2014	157	Yes	Υ		J	J	5.4	0.23	mg/kg
CC-C-041-0-2-20140219	480-55092-3	COBALT	2/27/2014	7.1	Yes	Υ				2.7	0.054	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	CHROMIUM, TOTAL	2/27/2014	18.5	Yes	Υ		J	J	2.7	0.22	mg/kg
CC-C-041-0-2-20140219	480-55092-3	CALCIUM	2/27/2014	8550	Yes	Υ	В			272	3.6	mg/kg
CC-C-041-0-2-20140219	480-55092-3	CADMIUM	2/27/2014	1.2	Yes	Υ				1.1	0.033	mg/kg
CC-C-041-0-2-20140219	480-55092-3	BERYLLIUM	2/27/2014	0.16	Yes	Υ	J		J	1.1	0.030	mg/kg
CC-C-041-0-2-20140219	480-55092-3	BARIUM	2/27/2014	80.9	Yes	Υ				2.7	0.12	mg/kg
CC-C-041-0-2-20140219	480-55092-3	MANGANESE	2/27/2014	347	Yes	Υ	В			1.1	0.035	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SODIUM	2/28/2014	241	Yes	Υ	J		J	761	14.1	mg/kg
CC-C-041-2-4-20140219	480-55092-4	THALLIUM	2/27/2014		Yes	N	U		U	30.5	0.31	mg/kg
CC-C-041-2-4-20140219	480-55092-4	COBALT	2/27/2014	5.1	Yes	Υ				2.5	0.051	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SILVER	2/27/2014	0.43	Yes	Υ	J		J	2.5	0.20	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SELENIUM	2/27/2014		Yes	N	U		υ	20.4	0.41	mg/kg
CC-C-041-2-4-20140219	480-55092-4	POTASSIUM	2/27/2014	744	Yes	Υ				153	20.4	mg/kg
CC-C-041-2-4-20140219	480-55092-4	NICKEL	2/27/2014	14.8	Yes	Υ	J		J	25.5	0.23	mg/kg
CC-C-041-2-4-20140219	480-55092-4	MANGANESE	2/27/2014	246	Yes	Υ	В			1.0	0.033	mg/kg
CC-C-041-2-4-20140219	480-55092-4	MAGNESIUM	2/27/2014	3060	Yes	Υ	В	J	J	102	0.94	mg/kg
CC-C-041-2-4-20140219	480-55092-4	LEAD	2/27/2014	106	Yes	Υ		J	J	5.1	0.24	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ZINC	2/27/2014	133	Yes	Υ	В			10.2	0.16	mg/kg
CC-C-041-2-4-20140219	480-55092-4	COPPER	2/27/2014	43.3	Yes	Υ		J	J	5.1	0.21	mg/kg
CC-C-041-2-4-20140219	480-55092-4	VANADIUM	2/27/2014	16.9	Yes	Υ				2.5	0.11	mg/kg
CC-C-041-2-4-20140219	480-55092-4	CHROMIUM, TOTAL	2/27/2014	16.4	Yes	Υ		J	J	2.5	0.20	mg/kg
CC-C-041-2-4-20140219	480-55092 - 4	CALCIUM	2/27/2014	7480	Yes	Υ	В			255	3.4	mg/kg
CC-C-041-2-4-20140219	480-55092-4	CADMIUM	2/27/2014	0.48	Yes	Υ	J		J	1.0	0.031	mg/kg
CC-C-041-2-4-20140219	480-55092-4	BERYLLIUM	2/27/2014	0.27	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-041-2-4-20140219	480-55092-4	BARIUM	2/27/2014	95.6	Yes	Υ				2.5	0.11	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ARSENIC	2/27/2014	4.8	Yes	Υ	J		J	10.2	0.41	mg/kg

Sample ID	Lab Sample D	Chemical Name	<u> Anal Date</u>	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	76.4	0.41	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ALUMINUM	2/27/2014	6310	Yes	Υ		J	J	50.9	4.5	mg/kg
CC-C-041-2-4-20140219	480-55092-4	IRON	2/27/2014	12300	Yes	Υ	В			50.9	1.1	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SODIUM	2/28/2014	209	Yes	Υ	J		J	713	13.2	mg/kg
CC-C-041-8-10-20140219	480-55092-5	MANGANESE	2/27/2014	65.7	Yes	Υ	В			1.2	0.039	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ANTIMONY	2/27/2014	1.6	Yes	Υ	J	J	J	91.9	0.49	mg/kg
CC-C-041-8-10-20140219	480-55092-5	BARIUM	2/27/2014	26	Yes	Υ				3.1	0.13	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CADMIUM	2/27/2014	0.17	Yes	Υ	J		J	1.2	0.037	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CALCIUM	2/27/2014	2120	Yes	Υ	В			306	4.0	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CHROMIUM, TOTAL	2/27/2014	17.1	Yes	Υ		J	J	3.1	0.25	mg/kg
CC-C-041-8-10-20140219	480-55092-5	COBALT	2/27/2014	3.6	Yes	Υ				3.1	0.061	mg/kg
CC-C-041-8-10-20140219	480-55092-5	COPPER	2/27/2014	13.4	Yes	Υ		J	J	6.1	0.26	mg/kg
CC-C-041-8-10-20140219	480-55092-5	IRON	2/27/2014	7700	Yes	Υ	В			61.3	1.3	mg/kg
CC-C-041-8-10-20140219	480-55092-5	BERYLLIUM	2/27/2014	0.14	Yes	Υ	J		J	1.2	0.034	mg/kg
CC-C-041-8-10-20140219	480-55092-5	MAGNESIUM	2/27/2014	975	Yes	Υ	В	J	J	123	1.1	mg/kg
CC-C-041-8-10-20140219	480-55092-5	NICKEL	2/27/2014	7.1	Yes	Υ	J		J	30.6	0.28	mg/kg
CC-C-041-8-10-20140219	480-55092-5	POTASSIUM	2/27/2014	368	Yes	Υ				184	24.5	mg/kg
CC-C-041-8-10-20140219	480-55092-5	SELENIUM	2/27/2014		Yes	N	U		U	24.5	0.49	mg/kg
CC-C-041-8-10-20140219	480-55092-5	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
CC-C-041-8-10-20140219	480-55092-5	THALLIUM	2/27/2014		Yes	N	U		U	36.8	0.37	mg/kg
CC-C-041-8-10-20140219	480-55092-5	VANADIUM	2/27/2014	7.7	Yes	Υ				3.1	0.13	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ZINC	2/27/2014	34.8	Yes	Υ	В			12.3	0.19	mg/kg
CC-C-041-8-10-20140219	480-55092 - 5	ALUMINUM	2/27/2014	2220	Yes	Υ		J	J	61.3	5.4	mg/kg
CC-C-041-8-10-20140219	480-55092-5	LEAD	2/27/2014	32.5	Yes	Υ		J	J	6.1	0.29	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ARSENIC	2/27/2014	8.5	Yes	Υ	J		J	12.3	0.49	mg/kg

Analytical Method SW6	3010C						_					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	SODIUM	2/28/2014	60.2	Yes	Υ	J		J	858	15.9	mg/kg
FB003-GW-20140219	480-55092-6	ZINC	2/27/2014	0.007	Yes	Υ	вЈ	U	U	0.010	0.0015	mg/l
FB003-GW-20140219	480-55092-6	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB003-GW-20140219	480-55092-6	ANTIMONY	2/27/2014		Yes	N	U		υ	0.020	0.0068	mg/l
FB003-GW-20140219	480-55092-6	ALUMINUM	2/27/2014		Yes	N	υ		U	0.20	0.060	mg/l
FB003-GW-20140219	480-55092-6	POTASSIUM	2/27/2014	1.6	Yes	Υ				0.50	0.10	mg/l
FB003-GW-20140219	480-55092-6	SELENIUM	2/27/2014		Yes	N	υ		U	0.015	0.0087	mg/l
FB003-GW-20140219	480-55092-6	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB003-GW-20140219	480-55092-6	BARIUM	2/27/2014	0.026	Yes	Υ				0.0020	0.00070	mg/l
FB003-GW-20140219	480-55092-6	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB003-GW-20140219	480-55092-6	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB003-GW-20140219	480-55092-6	MANGANESE	2/27/2014	0.0031	Yes	Υ	В			0.0030	0.00040	mg/l
FB003-GW-20140219	480-55092-6	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB003-GW-20140219	480-55092-6	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB003-GW-20140219	480-55092-6	COPPER	2/27/2014	0.007	Yes	Υ	J		J	0.010	0.0016	mg/l
FB003-GW-20140219	480-55092-6	CALCIUM	2/27/2014	32	Yes	Υ				0.50	0.10	mg/l
FB003-GW-20140219	480-55092-6	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB003-GW-20140219	480-55092-6	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB003-GW-20140219	480-55092-6	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
FB003-GW-20140219	480-55092-6	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB003-GW-20140219	480-55092-6	MAGNESIUM	2/27/2014	8.3	Yes	Υ				0.20	0.043	mg/l
FB003-GW-20140219	480-55092-6	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0,00030	mg/l
FB003-GW-20140219	480-55092-6	SODIUM	2/28/2014	12.8	Yes	Υ				1.0	0.32	mg/l
FB026-20140219	480-55092-7	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB026-20140219	480-55092-7	THALLIUM	2/27/2014		Yes	N	υ		U	0.020	0.010	mg/l

Analytical Method	SW6010C											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	SODIUM	2/27/2014		Yes	N	υ		U	1.0	0.32	mg/l
FB026-20140219	480-55092-7	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB026-20140219	480-55092-7	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB026-20140219	480-55092-7	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB026-20140219	480-55092-7	NICKEL	2/27/2014		Yes	N	U		υ	0.010	0.0013	mg/l
FB026-20140219	480-55092-7	MANGANESE	2/27/2014	0.00069	Yes	Υ	BJ	U	U	0.0030	0.00040	mg/l
FB026-20140219	480-55092-7	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
FB026-20140219	480-55092-7	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB026-20140219	480-55092-7	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB026-20140219	480-55092-7	COPPER	2/27/2014	0.0022	Yes	Υ	J		J	0.010	0.0016	mg/l
FB026-20140219	480-55092-7	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB026-20140219	480-55092-7	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB026-20140219	480-55092-7	CALCIUM	2/27/2014		Yes	N	U		υ	0.50	0.10	mg/l
FB026-20140219	480-55092-7	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB026-20140219	480-55092-7	BERYLLIUM	2/27/2014		Yes	N	U		υ	0.0020	0.00030	mg/l
FB026-20140219	480-55092-7	BARIUM	2/27/2014		Yes	N	U		υ	0.0020	0.00070	mg/l
FB026-20140219	480-55092-7	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB026-20140219	480-55092-7	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB026-20140219	480-55092-7	ZINC	2/27/2014		Yes	N	U		υ	0.010	0.0015	mg/l
FB026-20140219	480-55092-7	ALUMINUM	2/27/2014		Yes	N	U		υ	0.20	0.060	mg/l
Analytical Method	SW7470A											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quai	Final qual	RL	MDL	Units
4801672901A	4801672901A	MERCURY	2/24/2014		Yes	N	U		υ	0.00020	0.00012	mg/l
FB003-GW-20140219	480-55092-6	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW7	'470A											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l
Analytical Method SW7	7471B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672441A	4801672441A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0080	mg/k
4801676151A	4801676151A	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0082	mg/k
CC-C-029-0-2-20140219	480-55092-1	MERCURY	2/24/2014	0.061	Yes	Υ		J	J	0.022	0.0087	mg/k
CC-C-029-2-4-20140219	480-55092-9	MERCURY	2/26/2014	0.072	Yes	Υ		J	j	0.024	0.0098	mg/k
CC-C-029-8-10-20140219	480-55092-2	MERCURY	2/24/2014	0.17	Yes	Υ		J	j	0.021	0.0087	mg/k
CC-C-041-0-2-20140219	480-55092-3	MERCURY	2/24/2014	0.12	Yes	Υ		J	J	0.021	0.0084	mg/k
CC-C-041-2-4-20140219	480-55092-4	MERCURY	2/24/2014	0.074	Yes	Υ		J	J	0.021	0.0087	mg/k
CC-C-041-8-10-20140219	480-55092-5	MERCURY	2/24/2014		Yes	N	U	UJ	UJ	0.022	0.0090	mg/k
Analytical Method SW8	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801672581A	4801672581A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801672581A	4801672581A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801672581A	4801672581A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801672581A	4801672581A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801672581A	4801672581A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.6	0.42	ug/kg
					Van	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	METHOXYCHLOR	2/25/2014		Yes	14	•		Ū	1.0	0.22	ugni
4801672581A 4801672581A	4801672581A 4801672581A	METHOXYCHLOR P,P'-DDD	2/25/2014 2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg

Analytical Method	SW8081B											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	P,P'-DDT	2/25/2014		Yes	N	υ		U	1.6	0.17	ug/kg
4801672581A	4801672581A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801672581A	4801672581A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801672581A	4801672581A	ENDRIN KETONE	2/25/2014		Yes	N	U		υ	1.6	0.40	ug/kg
4801672581A	4801672581A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801672581A	4801672581A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801672581A	4801672581A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801672581A	4801672581A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801672581A	4801672581A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801674751A	4801674751A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801674751A	4801674751A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801674751A	4801674751A	HEPTACHLOR	2/25/2014		Yes	N	υ		υ	1.6	0.25	ug/kg
4801674751A	4801674751A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	υ		U	1.6	0.42	ug/kg
4801674751A	4801674751A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801674751A	4801674751A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801674751A	4801674751A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	υ		U	1.6	0.30	ug/kg
4801674751A	4801674751A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801674751A	4801674751A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801674751A	4801674751A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801674751A	4801674751A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.524	Yes	Υ	J		J	1.6	0.21	ug/kg

Analytical Method S	W8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801674751A	4801674751A	BETA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.6	0.29	ug/kg
4801674751A	4801674751A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.6	0.18	ug/kg
4801674751A	4801674751A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	U	1.6	0.20	ug/kg
4801674751A	4801674751A	ALPHA CHLORDANE	2/25/2014		Yes	N	U	U	1.6	0.81	ug/kg
4801674751A	4801674751A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U	U	1.6	0.29	ug/kg
4801674751A	4801674751A	ALDRIN	2/25/2014		Yes	N	U	U	1.6	0.40	ug/kg
4801674751A	4801674751A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U	U	1.6	0.41	ug/kg
4801675361A	4801675361A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U	U	0.050	0.011	ug/l
4801675361A	4801675361A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U	U	0.050	0.0060	ug/l
4801675361A	4801675361A	TOXAPHENE	2/26/2014		Yes	N	U	U	0.50	0.12	ug/l
4801675361A	4801675361A	P,P'-DDT	2/26/2014		Yes	N	U	U	0.050	0.011	ug/l
4801675361A	4801675361A	P,P'-DDE	2/26/2014		Yes	N	U	U	0.050	0.012	ug/l
4801675361A	4801675361A	P,P'-DDD	2/26/2014		Yes	N	U	U	0.050	0.0092	ug/l
4801675361A	4801675361A	METHOXYCHLOR	2/26/2014		Yes	N	U	U	0.050	0.014	ug/l
4801675361A	4801675361A	ENDRIN	2/26/2014		Yes	N	U	U	0.050	0.014	ug/l
4801675361A	4801675361A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U	υ	0.050	0.0053	ug/l
4801675361A	4801675361A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	U	0.050	0.0066	ug/l
4801675361A	4801675361A	GAMMA CHLORDANE	2/26/2014		Yes	N	U	U	0.050	0.011	ug/l
4801675361A	4801675361A	ALDRIN	2/26/2014		Yes	N	U	U	0.050	0.0066	ug/l
4801675361A	4801675361A	ENDRIN KETONE	2/26/2014		Yes	N	U	U	0.050	0.012	ug/l
4801675361A	4801675361A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U	U	0.050	0.016	ug/l
4801675361A	4801675361A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	U	0.050	0.010	ug/l
4801675361A	4801675361A	DIELDRIN	2/26/2014		Yes	N	U	U	0.050	0.0098	ug/l

Analytical Method	SW8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Re</u> sult	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801675361A	4801675361A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		บ	0.050	0.012	ug/l
4801675361A	4801675361A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
4801675361A	4801675361A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
4801675361A	4801675361A	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801676231A	4801676231A	TOXAPHENE	2/26/2014		Yes	N	U		υ	17	9.6	ug/kg
4801676231A	4801676231A	P,P'-DDT	2/26/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676231A	4801676231A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.83	ug/kg
4801676231A	4801676231A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801676231A	4801676231A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676231A	4801676231A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	0.371	Yes	Υ	J		J	1.7	0.22	ug/kg
4801676231A	4801676231A	P,P'-DDE	2/26/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676231A	4801676231A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	ALDRIN	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676231A	4801676231A	DIELDRIN	2/26/2014		Yes	N ·	U		U	1.7	0.40	ug/kg
4801676231A	4801676231A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676231A	4801676231A	ENDRIN	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676231A	4801676231A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801676231A	4801676231A	ENDRIN KETONE	2/26/2014		Yes	N	U		υ	1.7	0.41	ug/kg
4801676231A	4801676231A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.53	ug/kg
4801676231A	4801676231A	HEPTACHLOR	2/26/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676231A	4801676231A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	1.7	0.43	ug/kg

Analytical Method SW		O		n - **		D			" -	-	=	11-14-
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	<u>Lab Qual</u>	Val Qual	Final qual	RL	MDL	Units
4801676231A	4801676231A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676231A	4801676231A	P,P'-DDD	2/26/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676231A	4801676231A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDD	2/25/2014	4.1	Yes	Υ	J		J	19	3.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDT	2/25/2014	15	Yes	Υ	J		J	19	2.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	TOXAPHENE	2/25/2014		Yes	N	U		U	190	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALDRIN	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014	4.4	Yes	Υ	J		J	19	3.5	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	19	9.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.1	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	3.9	Yes	Υ	BJ	U	U	19	2.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIELDRIN	2/25/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	19	3.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	METHOXYCHLOR	2/25/2014		Yes	N	U		U	19	2.7	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	19	5.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN KETONE	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	GAMMA CHLORDANE	2/25/2014	9.2	Yes	Υ	J		J	19	6.2	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEPTACHLOR	2/25/2014		Yes	N	U		U	19	3.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	19	5.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN	2/25/2014		Yes	N	U		U	19	2.7	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDE	2/25/2014	12	Yes	Υ	J		J	19	2.9	ug/kg

Analytical Method SW	3081B									
Sample ID	Lab Sample D	Chemical Name	Anai Date <u>Re</u> suli	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDI.	Units
CC-C-029-2-4-20140219	480-55092-9	DIELDRIN	2/26/2014	Yes	N	U	U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	Yes	N	U	U	42	5.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BETA ENDOSULFAN	2/26/2014	Yes	N	U	U	42	7.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014	Yes	N	υ	U	42	4.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA ENDOSULFAN	2/26/2014	Yes	N	U	U	42	5.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA CHLORDANE	2/26/2014	Yes	N	U	U	42	21	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALDRIN	2/26/2014	Yes	N	U	U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDOSULFAN SULFATE	2/26/2014	Yes	N	U	U	42	7.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDT	2/26/2014	Yes	N	U	U	42	4.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014	Yes	N	U	U	42	7.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN	2/26/2014	Yes	N	U	U	42	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN ALDEHYDE	2/26/2014	Yes	N	U	U	42	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN KETONE	2/26/2014	Yes	N	U	U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	GAMMA BHC (LINDANE)	2/26/2014	Yes	N	U	U	42	5.2	ug/kg
CC-C-029-2-4-20140219	480-55092-9	GAMMA CHLORDANE	2/26/2014	Yes	N	U	U	42	13	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEPTACHLOR	2/26/2014	Yes	N	U	U	42	6.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEPTACHLOR EPOXIDE	2/26/2014	Yes	N	U	U	42	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	METHOXYCHLOR	2/26/2014	Yes	N	U	U	42	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDE	2/26/2014	Yes	N	U	U	42	6.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	TOXAPHENE	2/26/2014	Yes	N	U	υ	420	240	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDD	2/26/2014	Yes	N	U	U	42	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEPTACHLOR	2/25/2014	Yes	N	U	OJ OJ	1.8	0.28	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDOSULFAN SULFATE	2/25/2014	Yes	N	U	U	1.8	0.34	ug/kg
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDT	2/25/2014 1.9	Yes	Υ		J J	1.8	0.19	ug/kg

Analytical Method SW8	3081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDE	2/25/2014	1.4	Yes	Υ	J	J	J	1.8	0.27	ug/kg
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDD	2/25/2014	0.48	Yes	Υ	J	υ	U	1.8	0.35	ug/kg
CC-C-029-8-10-20140219	480-55092-2	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
CC-C-029-8-10-20140219	480-55092-2	GAMMA CHLORDANE	2/25/2014	0.73	Yes	Υ	J		J	1.8	0.58	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.8	0.45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.8	0.22	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-029-8-10-20140219	480-55092-2	TOXAPHENE	2/25/2014		Yes	N	U		U	18	11	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIELDRIN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.44	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.24	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.8	0.33	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.23	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.8	0.90	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		υ	1.8	0.33	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALDRIN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.8	0.46	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	GAMMA CHLORDANE	2/25/2014	12	Yes	Υ	J		J	18	5.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		υ	18	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDT	2/25/2014	12	Yes	Υ	J		J	18	1.9	ug/kg

Analytical Method SW8	081B										. ,	
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDE	2/25/2014	7.4	Yes	Υ	J		J	18	2.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA CHLORDANE	2/25/2014	9.2	Yes	Υ	J		J	18	9.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDD	2/25/2014	11	Yes	Υ	J		J	18	3.6	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	180	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	180	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	TOXAPHENE	2/25/2014		Yes	N	U		U	1800	1000	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDT	2/25/2014	71	Yes	Υ	J		J	180	18	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDE	2/25/2014	48	Yes	Υ	J		J	180	27	ug/kg
CC-C-041-2-4-20140219	480-55092-4	METHOXYCHLOR	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEPTACHLOR	2/25/2014		Yes	N	U		U	180	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	180	57	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALDRIN	2/25/2014		Yes	N	U		U	180	44	ug/kg

Analytical Method SW8	081B				·							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ENDRIN KETONE	2/25/2014		Yes	N	U		U	180	44	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	32	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDRIN	2/25/2014		Yes	N	U		υ	180	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		υ	180	33	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIELDRIN	2/25/2014		Yes	Ν	U		U	180	43	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	24	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	32	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA ENDOSULFAN	2/25/2014		Yes	Ν	U		U	180	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	180	89	ug/kg
CC-C-041-2-4-20140219	480-55092-4	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	180	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDD	2/25/2014	68	Yes	Υ	J		J	180	35	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BETA ENDOSULFAN	2/25/2014		Yes	N	U		υ	18	3.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA CHLORDANE	2/25/2014		Yes	N	U		υ	18	9.1	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg

Analytical Method SW8	081B										.,,	
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
CC-C-041-8-10-20140219	480-55092-5	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
CC-C-041-8-10-20140219	480-55092-5	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDD	2/25/2014	4.1	Yes	Υ	J		J	18	3.6	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDE	2/25/2014		Yes	N	U		U	18	2.8	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDT	2/25/2014		Yes	N	U		υ	18	1.9	ug/kg
CC-C-041-8-10-20140219	480-55092-5	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	18	5.8	ug/kg
FB026-20140219	480-55092-7	HEPTACHLOR	2/26/2014		Yes	N	U		υ	0.050	0.0085	ug/l
FB026-20140219	480-55092-7	P,P'-DDE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0099	ug/l
FB026-20140219	480-55092-7	P,P'-DDD	2/26/2014		Yes	N	U		U	0.050	0.0091	ug/l
FB026-20140219	480-55092-7	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
FB026-20140219	480-55092-7	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.050	0.0053	ug/l
FB026-20140219	480-55092-7	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
FB026-20140219	480-55092-7	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.050	0.0060	ug/l
FB026-20140219	480-55092-7	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
FB026-20140219	480-55092-7	ENDRIN	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
FB026-20140219	480-55092-7	TOXAPHENE	2/26/2014		Yes	N	U		U	0.50	0.12	ug/l
FB026-20140219	480-55092-7	DIELDRIN	2/26/2014		Yes	N	U		υ	0.050	0.0097	ug/l

Analytical Method	SW8081B											
Sample ID	Lab Sample 1 D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	P,P'-DDT	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
FB026-20140219	480-55092-7	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
FB026-20140219	480-55092-7	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U ·	0.050	0.011	ug/l
FB026-20140219	480-55092-7	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
FB026-20140219	480-55092-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
FB026-20140219	480-55092-7	ALDRIN	2/26/2014		Yes	N	U		υ	0.050	0.0066	ug/l
FB026-20140219	480-55092-7	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
Analytical Method	SW8260C				· · · · · · · · · · · · · · · · · · ·							
Sample ID	Lab Sample ID	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
4801672697	4801672697	METHYL ACETATE	2/24/2014		Yes	N	U		υ	2.5	0.50	ug/l
4801672697	4801672697	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
4801672697	4801672697	BROMOFORM	2/24/2014		Yes	N	U		υ	1.0	0.26	ug/l
4801672697	4801672697	BROMOMETHANE	2/24/2014		Yes	N	U		υ	1.0	0.69	ug/l
4801672697	4801672697	CARBON DISULFIDE	2/24/2014		Yes	N	U		U	1.0	0.19	ug/l
4801672697	4801672697	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l
4801672697	4801672697	CHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
4801672697	4801672697	CHLOROFORM	2/24/2014		Yes	N	U		U	1.0	0.34	ug/l
4801672697	4801672697	2-HEXANONE	2/24/2014		Yes	N	U		U	5.0	1.2	ug/l
4801672697	4801672697	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
4801672697	4801672697	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
4801672697	4801672697	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
4801672697	4801672697	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
4801672697	4801672697	ETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.74	ug/l
4801672697	4801672697	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		υ	1.0	0.79	ug/l
4801672697	4801672697	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
4801672697	4801672697	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
4801672697	4801672697	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
4801672697	4801672697	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
4801672697	4801672697	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
4801672697	4801672697	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.23	ug/l
4801672697	4801672697	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
4801672697	4801672697	1,1-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.29	ug/l
4801672697	4801672697	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
4801672697	4801672697	BENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
4801672697	4801672697	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		υ	1.0	0.39	ug/l
4801672697	4801672697	METHYL ETHYL KETONE (2- BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
4801672697	4801672697	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
4801672697	4801672697	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
4801672697	4801672697	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
4801672697	4801672697	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	U		U	1.0	0.77	ug/i
4801672697	4801672697	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
4801672697	4801672697	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
4801672697	4801672697	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
4801672697	4801672697	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
4801672697	4801672697	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/i
4801672697	4801672697	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/l
4801672697	4801672697	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
4801672697	4801672697	METHYLENE CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.44	ug/l
4801672697	4801672697	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		U	1.0	0.46	ug/l
4801672697	4801672697	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
4801672697	4801672697	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
4801672697	4801672697	TOLUENE	2/24/2014		Yes	N	U		U	1.0	0.51	ug/l
4801672697	4801672697	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
4801672697	4801672697	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
4801672697	4801672697	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
4801672697	4801672697	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
4801672697	4801672697	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
4801672697	4801672697	SEC-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		υ	1.0	0.88	ug/l
FB003-GW-20140219	480-55092-6	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
FB003-GW-20140219	480-55092-6	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.88	ug/l
FB003-GW-20140219	480-55092-6	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l
FB003-GW-20140219	480-55092-6	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
FB003-GW-20140219	480-55092-6	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		U	1.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	υ		U	1.0	0.32	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	ETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.74	ug/l
FB003-GW-20140219	480-55092-6	METHYL ACETATE	2/24/2014		Yes	N	U		U	2.5	0.50	ug/l
FB003-GW-20140219	480-55092-6	METHYL ETHYL KETONE (2- BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
FB003-GW-20140219	480-55092-6	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
FB003-GW-20140219	480-55092-6	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
FB003-GW-20140219	480-55092-6	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
FB003-GW-20140219	480-55092-6	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/l
FB003-GW-20140219	480-55092-6	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l
FB003-GW-20140219	480-55092-6	SEC-BUTYLBENZENE	2/24/2014		Yes	N	υ		U	1.0	0.75	ug/l
FB003-GW-20140219	480-55092-6	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
FB003-GW-20140219	480-55092-6	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
FB003-GW-20140219	480-55092-6	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	TOLUENE	2/24/2014		Yes	N	U .		U	1.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
FB003-GW-20140219	480-55092-6	METHYLENE CHLORIDE	2/24/2014	0.53	Yes	Υ	J		J	1.0	0.44	ug/l
FB003-GW-20140219	480-55092-6	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
FB003-GW-20140219	480-55092-6	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
FB003-GW-20140219	480-55092-6	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l

Analytical Method SW	/8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDI.	Units
FB003-GW-20140219	480-55092-6	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
FB003-GW-20140219	480-55092-6	1,1-DICHLOROETHENE	2/24/2014		Yes	N	υ		U	1.0	0.29	ug/l
FB003-GW-20140219	480-55092-6	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
FB003-GW-20140219	480-55092-6	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.23	ug/l
FB003-GW-20140219	480-55092-6	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
FB003-GW-20140219	480-55092 - 6	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
FB003-GW-20140219	480-55092-6	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
FB003-GW-20140219	480-55092-6	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		υ	1.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	BROMOMETHANE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
FB003-GW-20140219	480-55092-6	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
FB003-GW-20140219	480-55092-6	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	CHLOROFORM	2/24/2014		Yes	N	U		U	1.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
FB003-GW-20140219	480-55092-6	CHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
FB003-GW-20140219	480-55092-6	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	υ		U	1.0	0.77	ug/l
FB003-GW-20140219	480-55092-6	CARBON DISULFIDE	2/24/2014		Yes	N	U		U	1.0	0.19	ug/l
FB003-GW-20140219	480-55092-6	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	BROMOFORM	2/24/2014		Yes	N	U		U	1.0	0.26	ug/l
FB003-GW-20140219	480-55092-6	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	BENZENE	2/24/2014		Yes	N	υ		U	1.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/l
FB003-GW-20140219	480-55092-6	2-HEXANONE	2/24/2014		Yes	N	U		U	5.0	1.2	ug/l
FB003-GW-20140219	480-55092-6	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
FB003-GW-20140219	480-55092-6	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l

Analytical Method SV	/8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140219	480-55092-8	BROMOFORM	2/24/2014		Yes	N	U		U	1.0	0.26	ug/l
TB-20140219	480-55092-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	U		U	1.0	0.77	ug/l
TB-20140219	480-55092-8	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140219	480-55092-8	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
TB-20140219	480-55092-8	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		υ	1.0	0.21	ug/l
TB-20140219	480-55092-8	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
TB-20140219	480-55092-8	METHYL ACETATE	2/24/2014		Yes	N	U		U	2.5	0.50	ug/l
TB-20140219	480-55092-8	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
TB-20140219	480-55092-8	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140219	480-55092-8	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		υ	1.0	0.75	ug/l
TB-20140219	480-55092-8	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l
TB-20140219	480-55092-8	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
TB-20140219	480-55092-8	BROMOMETHANE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140219	480-55092-8	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		υ	1.0	0.23	ug/l
TB-20140219	480-55092-8	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140219	480-55092-8	BENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140219	480-55092-8	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
TB-20140219	480-55092-8	2-HEXANONE	2/24/2014		Yes	N	U		υ	5.0	1.2	ug/l
TB-20140219	480-55092-8	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l
TB-20140219	480-55092-8	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
TB-20140219	480-55092-8	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140219	480-55092-8	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140219	480-55092-8	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140219	480-55092-8	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140219	480-55092-8	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140219	480-55092-8	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
TB-20140219	480-55092-8	CARBON DISULFIDE	2/24/2014		Yes	N	υ		U	1.0	0.19	ug/l
TB-20140219	480-55092-8	TOLUENE	2/24/2014		Yes	N	U		U	1.0	0.51	ug/l
TB-20140219	480-55092-8	METHYLENE CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.44	ug/i
TB-20140219	480-55092-8	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
TB-20140219	480-55092-8	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
TB-20140219	480-55092-8	METHYL ETHYL KETONE (2- BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
TB-20140219	480-55092-8	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140219	480-55092-8	1,1-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.29	ug/l
TB-20140219	480-55092-8	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/i
TB-20140219	480-55092-8	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
TB-20140219	480-55092-8	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140219	480-55092-8	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/l
TB-20140219	480-55092-8	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140219	480-55092-8	SEC-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140219	480-55092-8	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140219	480-55092-8	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	υ		U	1.0	0.32	ug/l
TB-20140219	480-55092-8	CHLOROFORM	2/24/2014		Yes	N	υ		U	1.0	0.34	ug/l
TB-20140219	480-55092-8	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
TB-20140219	480-55092-8	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140219	480-55092-8	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140219	480-55092-8	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140219	480-55092-8	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l
TB-20140219	480-55092-8	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
TB-20140219	480-55092-8	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140219	480-55092-8	ETHYLBENZENE	2/24/2014		Yes	N	U		υ	1.0	0.74	ug/l
TB-20140219	480-55092-8	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140219	480-55092-8	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.88	ug/l
TB-20140219	480-55092-8	CHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140219	480-55092-8	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		υ	1.0	0.46	ug/l
Analytical Method	SW8270D							•				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	320	9.2	ug/kg
4801672651A	4801672651A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	170	6.8	ug/kg
4801672651A	4801672651A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	170	49	ug/kg
4801672651A	4801672651A	3-NITROANILINE	2/25/2014		Yes	N	U		U	320	38	ug/kg
4801672651A	4801672651A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		υ	170	150	ug/kg
4801672651A	4801672651A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	170	7.6	ug/kg
4801672651A	4801672651A	2-NITROANILINE	2/25/2014		Yes	N	U		U	320	53	ug/kg
4801672651A	480167265 1 A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	170	5.1	ug/kg
4801672651A	4801672651A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.4	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual F	inal qual	RL	MDL	Units
4801672651A	4801672651A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672651A	4801672651A	4-NITROANILINE	2/25/2014		Yes	N	U		υ	320	19	ug/kg
4801672651A	4801672651A	2,6-DINITROTOLUENE	2/25/2014		Yes	Ν	U		U	170	41	ug/kg
4801672651A	4801672651A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		υ	170	45	ug/kg
4801672651A	4801672651A	FLUORENE	2/25/2014		Yes	N	U		U	170	3.8	ug/kg
4801672651A	4801672651A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672651A	4801672651A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672651A	4801672651A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	57	ug/kg
4801672651A	4801672651A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672651A	4801672651A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.0	ug/kg
4801672651A	4801672651A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	υ		U	170	2.0	ug/kg
4801672651A	4801672651A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672651A	4801672651A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	170	14	ug/kg
480167265 1 A	4801672651A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	υ		U	170	9.0	ug/kg
4801672651A	4801672651A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672651A	4801672651A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	320	40	ug/kg
4801672651A	4801672651A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		υ	170	1.8	ug/kg
4801672651A	4801672651A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.2	ug/kg
4801672651A	4801672651A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672651A	4801672651A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg

Analytical Method	SW8270D				-							
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672651A	4801672651A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.2	ug/kg
4801672651A	4801672651A	ATRAZINE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801672651A	4801672651A	ANTHRACENE	2/25/2014		Yes	N	U		U	170	4.2	ug/kg
4801672651A	4801672651A	ACETOPHENONE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	170	1.4	ug/kg
4801672651A	4801672651A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	170	17	ug/kg
4801672651A	4801672651A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.7	ug/kg
4801672651A	4801672651A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	320	58	ug/kg
4801672651A	4801672651A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	36	ug/kg
4801672651A	4801672651A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672651A	4801672651A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg
4801672651A	4801672651A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672651A	4801672651A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	170	50	ug/kg
4801672651A	4801672651A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672651A	4801672651A	PHENANTHRENE	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	PHENOL	2/25/2014		Yes	N	U		Ų	170	17	ug/kg

Analytical Method	SW8270D				-						
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL_	Units
4801672651A	4801672651A	PYRENE	2/25/2014		Yes	N	U	U	170	1.1	ug/kg
4801672651A	4801672651A	NITROBENZENE	2/25/2014		Yes	N	U	U	170	7.4	ug/kg
4801673471A	4801673471A	FLUORENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
4801673471A	4801673471A	FLUORANTHENE	2/25/2014		Yes	N	U,	U	5.0	0.40	ug/l
4801673471A	4801673471A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
4801673471A	4801673471A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.31	ug/l
4801673471A	4801673471A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
4801673471A	4801673471A	DIBENZOFURAN	2/25/2014		Yes	N	U	U	10	0.51	ug/l
4801673471A	4801673471A	CHRYSENE	2/25/2014		Yes	N	U	U	5.0	0.33	ug/l
4801673471A	4801673471A	CAPROLACTAM	2/25/2014		Yes	N	U	U	5.0	2.2	ug/l
4801673471A	4801673471A	NAPHTHALENE	2/25/2014		Yes	N	U	U	5.0	0.76	ug/l
4801673471A	4801673471A	CARBAZOLE	2/25/2014		Yes	N	U	υ	5.0	0.30	ug/l
4801673471A	4801673471A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
4801673471A	4801673471A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U	U	5.0	0.68	ug/l
4801673471A	4801673471A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
4801673471A	4801673471A	HEXACHLOROETHANE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
4801673471A	48016 7 3471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U	U	5.0	1.8	ug/l
4801673471A	4801673471A	ISOPHORONE	2/25/2014		Yes	N	U	υ	5.0	0.43	ug/l
4801673471A	4801673471A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
4801673471A	4801673471A	NITROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.29	ug/l
4801673471A	4801673471A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l
4801673471A	4801673471A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
4801673471A	4801673471A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	10	2.2	ug/l
4801673471A	4801673471A	PHENANTHRENE	2/25/2014		Yes	N	U	U	5.0	0.44	ug/l
4801673471A	48016 7 3471A	PHENOL	2/25/2014		Yes	N	U	U	5.0	0.39	ug/l

Analytical Method	SW8270D		-					,				
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
4801673471A	4801673471A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
4801673471A	48016 7 3471A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	3-NITROANILINE	2/25/2014		Yes	N	U		υ	10	0.48	ug/l
4801673471A	4801673471A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
4801673471A	4801673471A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
4801673471A	4801673471A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
4801673471A	4801673471A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
4801673471A	4801673471A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
4801673471A	4801673471A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	/al Qual Final q	ual RL	MDL	Units
4801673471A	4801673471A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
4801673471A	4801673471A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U	U	10	0.36	ug/l
4801673471A	4801673471A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U	U	5.0	0.65	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
4801673471A	4801673471A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
4801673471A	4801673471A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.73	ug/l
4801673471A	4801673471A	BENZO(A)PYRENE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U	U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZALDEHYDE	2/25/2014		Yes	N	U	U	5.0	0.27	ug/l
4801673471A	4801673471A	ATRAZINE	2/25/2014		Yes	N	U	U	5.0	0.46	ug/l
4801673471A	4801673471A	ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.28	ug/l
4801673471A	4801673471A	ACETOPHENONE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l
4801673471A	4801673471A	ACENAPHTHYLENE	2/25/2014		Yes	N	U	U	5.0	0.38	ug/l
4801673471A	4801673471A	ACENAPHTHENE	2/25/2014		Yes	N	U	U	5.0	0.41	ug/l
4801673471A	4801673471A	4-NITROPHENOL	2/25/2014		Yes	N	U	U	10	1.5	ug/l
4801673471A	4801673471A	4-NITROANILINE	2/25/2014		Yes	N	U	U	10	0.25	ug/l
4801673471A	4801673471A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
4801674241A	4801674241A	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U	U	170	53	ug/kg
4801674241A	4801674241A	2-CHLOROPHENOL	2/27/2014		Yes	N	U	υ	170	8.5	ug/kg
4801674241A	4801674241A	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U	U	330	57	ug/kg
4801674241A	4801674241A	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U	U	170	26	ug/kg
4801674241A	4801674241A	3-NITROANILINE	2/27/2014		Yes	N	U	υ	330	38	ug/kg
4801674241A	4801674241A	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U	U	170	150	ug/kg
4801674241A	4801674241A	2-NITROPHENOL	2/27/2014		Yes	N	U	U	170	7.6	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	2-NITROANILINE	2/27/2014		Yes	N	U		U	330	53	ug/kg
4801674241A	4801674241A	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	170	5.1	ug/kg
4801674241A	4801674241A	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	330	58	ug/kg
4801674241A	4801674241A	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.7	ug/kg
4801674241A	4801674241A	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	36	ug/kg
4801674241A	4801674241A	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	170	17	ug/kg
4801674241A	4801674241A	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	170	4.0	ug/kg
4801674241A	4801674241A	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	5.0	ug/kg
4801674241A	48016742 4 1A	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	41	ug/kg
4801674241A	4801674241A	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		υ	170	2.0	ug/kg
4801674241A	4801674241A	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	170	6.8	ug/kg
4801674241A	4801674241A	CARBAZOLE	2/27/2014		Yes	N	U		U	170	1.9	ug/kg
4801674241A	4801674241A	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	58	ug/kg
4801674241A	4801674241A	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	170	54	ug/kg
48016742 4 1A	4801674241A	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U ·		U	170	3.9	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	170	14	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	170	9.0	ug/kg
4801674241A	4801674241A	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	170	10	ug/kg
4801674241A	4801674241A	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	1.8	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Va	l Qual Final qua	RL	MDL	Units
4801674241A	4801674241A	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U	U	170	2.0	ug/kg
4801674241A	4801674241A	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U	U	170	3.2	ug/kg
4801674241A	4801674241A	CAPROLACTAM	2/27/2014		Yes	N	U	U	170	72	ug/kg
4801674241A	4801674241A	ISOPHORONE	2/27/2014		Yes	N	U	U	170	8.3	ug/kg
4801674241A	4801674241A	PYRENE	2/27/2014		Yes	N	υ	U	170	1.1	ug/kg
4801674241A	4801674241A	PHENOL	2/27/2014		Yes	N	U	U	170	18	ug/kg
4801674241A	4801674241A	PHENANTHRENE	2/27/2014		Yes	N	U	U	170	3.5	ug/kg
4801674241A	4801674241A	PENTACHLOROPHENOL	2/27/2014		Yes	N	U	U	330	57	ug/kg
4801674241A	4801674241A	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U	U	170	9.1	ug/kg
4801674241A	4801674241A	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U	U	170	13	ug/kg
4801674241A	4801674241A	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U	U	170	4.3	ug/kg
4801674241A	4801674241A	NAPHTHALENE	2/27/2014		Yes	N	υ	U	170	2.8	ug/kg
4801674241A	4801674241A	CHRYSENE	2/27/2014		Yes	N	U	U	170	1.7	ug/kg
4801674241A	4801674241A	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U .	U	170	4.6	ug/kg
4801674241A	4801674241A	HEXACHLOROETHANE	2/27/2014		Yes	N	U	U	170	13	ug/kg
4801674241A	4801674241A	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	U	170	50	ug/kg
4801674241A	4801674241A	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U	U	170	8.5	ug/kg
4801674241A	4801674241A	HEXACHLOROBENZENE	2/27/2014		Yes	N	U	U	170	8.3	ug/kg
4801674241A	4801674241A	FLUORENE	2/27/2014		Yes	N	U	U	170	3.8	ug/kg
4801674241A	4801674241A	FLUORANTHENE	2/27/2014		Yes	N	U	U	170	2.4	ug/kg
4801674241A	4801674241A	NITROBENZENE	2/27/2014		Yes	N	U	U	170	7.4	ug/kg
4801674241A	4801674241A	ACETOPHENONE	2/27/2014		Yes	N	U	U	170	8.5	ug/kg
4801674241A	4801674241A	4-CHLOROANILINE	2/27/2014		Yes	N	υ	U	170	49	ug/kg
4801674241A	4801674241A	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U	U	170	3.5	ug/kg
4801674241A	4801674241A	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U	U	170	2.9	ug/kg

Analytical Method SW8	3270D											
Sample iD	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	BENZALDEHYDE	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	ANTHRACENE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	170	1.4	ug/kg
4801674241A	4801674241A	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	330	9.3	ug/kg
4801674241A	4801674241A	ACENAPHTHENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	4-NITROPHENOL	2/27/2014		Yes	N	U		υ	330	40	ug/kg
4801674241A	4801674241A	4-NITROANILINE	2/27/2014		Yes	N	U		U	330	19	ug/kg
4801674241A	4801674241A	DIBENZOFURAN	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	ATRAZINE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	990	53	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(G,H,I)PERYLENE	2/26/2014	270	Yes	Υ	J .		J	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIBENZOFURAN	2/26/2014		Yes	N	U		U	990	10	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	990	100	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACENAPHTHYLENE	2/26/2014		Yes	N	U		υ	990	8.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PYRENE	2/26/2014	950	Yes	Υ	J		J	990	6.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ANTHRACENE	2/26/2014		Yes	N	U		U	990	25	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ATRAZINE	2/26/2014		Yes	N	U		U	990	44	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZALDEHYDE	2/26/2014		Yes	N	U		U	990	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(A)ANTHRACENE	2/26/2014	400	Yes	Υ	J		J	990	17	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-NITROANILINE	2/26/2014		Yes	N	U		U ,	1900	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(B)FLUORANTHENE	2/26/2014	570	Yes	Υ	J		J	990	19	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1900	55	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(K)FLUORANTHENE	2/26/2014	240	Yes	Υ	J		J	990	11	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	990	260	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	990	61	ug/kg

Analytical Method SW					_							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	<u>Lab Qual</u>	<u>Val Qual</u>	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	990	85	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		υ	990	320	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CAPROLACTAM	2/26/2014		Yes	N	υ		U	990	430	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CARBAZOLE	2/26/2014		Yes	N	U		U	990	11	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CHRYSENE	2/26/2014	630	Yes	Υ	J		J	990	9.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(A)PYRENE	2/26/2014	360	Yes	Υ	j		J	990	24	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	990	30	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	210	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	65	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	52	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	990	270	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1900	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	990	150	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		υ	990	240	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	990	66	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	240	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACETOPHENONE	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-NITROANILINE	2/26/2014		Yes	N	U		U	1900	320	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-NITROPHENOL	2/26/2014		Yes	N	U		U	990	45	ug/kg
CC-C-029-0-2-20140219	480-55092-1	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	990	860	ug/kg
CC-C-029-0-2-20140219	480-55092-1	3-NITROANILINE	2/26/2014		Yes	N	U		U	1900	230	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	340	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	990	310	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	990	40	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	990	290	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	990	21	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	INDENO(1,2,3-C,D)PYRENE	2/26/2014	230	Yes	Υ	J		J	990	27	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	990	26	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	990	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		υ	990	23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	FLUORANTHENE	2/26/2014	1300	Yes	Υ				990	14	ug/kg
CC-C-029-0-2-20140219	480-55092-1	FLUORENE	2/26/2014		Yes	N	U		U	990	23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	990	49	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	990	30	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROETHANE	2/26/2014		Yes	N	U		υ	990	76	ug/kg
CC-C-029-0-2-20140219	480-55092-1	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		υ	990	54	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ISOPHORONE	2/26/2014		Yes	N	U		U	990	49	ug/kg
CC-C-029-0-2-20140219	480-55092-1	NAPHTHALENE	2/26/2014		Yes	N	U		U	990	16	ug/kg
CC-C-029-0-2-20140219	480-55092-1	NITROBENZENE	2/26/2014		Yes	N	U		U	990	44	ug/kg
CC-C-029-0-2-20140219	480-55092-1	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		υ	990	78	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		υ	1900	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACENAPHTHENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PHENOL	2/26/2014		Yes	N	U		U	990	100	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	990	300	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PHENANTHRENE	2/26/2014	500	Yes	Υ	J		J	990	21	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	410	73	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CAPROLACTAM	2/27/2014		Yes	N	U		U	210	91	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CARBAZOLE	2/27/2014	150	Yes	Υ	J		J	210	2.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CHRYSENE	2/27/2014	770	Yes	Υ				210	2.1	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	46	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	14	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-NITROPHENOL	2/27/2014		Yes	N	U		U	210	9.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	210	57	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	210	18	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	32	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	51	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	210	6.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-NITROANILINE	2/27/2014		Yes	N	U		U	410	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(B)FLUORANTHENE	2/27/2014	1100	Yes	Υ				210	4.1	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	υ		U	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACETOPHENONE	2/27/2014		Yes	N	U		υ	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ANTHRACENE	2/27/2014	280	Yes	Υ				210	5.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ATRAZINE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACENAPHTHYLENE	2/27/2014	35	Yes	Υ	J		J	210	1.7	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	210	23	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	400	Yes	Υ				210	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(A)PYRENE	2/27/2014	720	Yes	Υ				210	5.0	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	210	22	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(G,H,I)PERYLENE	2/27/2014	250	Yes	Υ				210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(K)FLUORANTHENE	2/27/2014	420	Yes	Υ				210	2.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	56	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	210	13	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-METHYLNAPHTHALENE	2/27/2014	57	Yes	Υ	j		j	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(A)ANTHRACENE	2/27/2014	740	Yes	Υ				210	3.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	FLUORENE	2/27/2014	150	Yes	Υ	J		J	210	4.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	NITROBENZENE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		υ	210	180	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ISOPHORONE	2/27/2014		Yes	N	U		U	210	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	210	14	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	210	16	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	UJ	UJ	210	63	ug/kg
CC-C-029-2-4-20140219	480-55092-9	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	210	17	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		υ	210	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	NAPHTHALENE	2/27/2014	180	Yes	Υ	J		J	210	3.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	FLUORANTHENE	2/27/2014	1600	Yes	Υ				210	3.0	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DI-N-OCTYLPHTHALATE	2/27/2014	88	Yes	Υ	J		J	210	4.9	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	72	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	5.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIETHYL PHTHALATE	2/27/2014		Yes	Ν	U		υ	210	6.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIBENZOFURAN	2/27/2014	99	Yes	Υ	J		J	210	2.2	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	υ		U	210	11	ug/kg

Analytical Method SW8	3270D		_									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	210	8.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	3-NITROANILINE	2/27/2014		Yes	N	U		U	410	48	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
CC-C-029-2-4-20140219	480-55092-9	INDENO(1,2,3-C,D)PYRENE	2/27/2014	240	Yes	Υ				210	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	210	61	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	4.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-NITROANILINE	2/27/2014		Yes	N	U		U	410	23	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	410	51	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACENAPHTHENE	2/27/2014	140	Yes	Υ	J		J	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PYRENE	2/27/2014	1200	Yes	Υ				210	1.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PHENOL	2/27/2014		Yes	N	U		U	210	22	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PHENANTHRENE	2/27/2014	1100	Yes	Υ				210	4.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	410	12	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	180	12	ug/kg
CC-C-029-8-10-20140219	480-55092-2	NAPHTHALENE	2/25/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-029-8-10-20140219	480-55092-2	NITROBENZENE	2/25/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	180	28	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PHENANTHRENE	2/25/2014		Yes	N	U		U	180	3.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	180	10	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	180	49	ug/kg

Analytical Method SW8	270D		-				_					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	FLUORENE	2/25/2014		Yes	N	b		U	180	4.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	FLUORANTHENE	2/25/2014		Yes	N	U		U	180	2.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		υ	180	4.3	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	180	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIBENZOFURAN	2/25/2014		Yes	N	U		U	180	1.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CHRYSENE	2/25/2014	9	Yes	Υ	J		J	180	1.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	180	14	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CAPROLACTAM	2/25/2014		Yes	N	U		U	180	79	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	360	64	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		υ	180	59	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	180	16	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	UJ	ΠΊ	180	55	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	180	14	ug/kg
CC-C-029-8-10-20140219	480-55092-2	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	180	5.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ISOPHORONE	2/25/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CARBAZOLE	2/25/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ANTHRACENE	2/25/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	180	2.2	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	180	3.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(A)PYRENE	2/25/2014		Yes	N	U		υ	180	4.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	180	3.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZALDEHYDE	2/25/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		Ū	180	2.0	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACETOPHENONE	2/25/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	180	1.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		υ	180	160	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-NITROPHENOL	2/25/2014		Yes	N	U		U	180	8.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-NITROANILINE	2/25/2014		Yes	N	U		U	360	59	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ATRAZINE	2/25/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PYRENE	2/25/2014		Yes	N	U		U	180	1.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	3-NITROANILINE	2/25/2014		Yes	N	U		U	360	42	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PHENOL	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	180	49	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		υ	180	12	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	180	40	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACENAPHTHENE	2/25/2014	42	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-NITROPHENOL	2/25/2014		Yes	N	U		U	360	44	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	180	58	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result_	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	4-NiTROANILINE	2/25/2014		Yes	N	U		U	360	20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	180	54	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	360	10	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	180	11	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	80	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CARBAZOLE	2/25/2014	33	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)ANTHRACENE	2/25/2014	380	Yes	Υ				190	3.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	11	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014	82	Yes	Υ	J		J	190	59	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	Ν	U		U	190	19	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	υ		υ	190	16	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZYL BUTYL PHTHALATE	2/25/2014	59000	No	Υ	E			190	49	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(K)FLUORANTHENE	2/25/2014	230	Yes	Υ				190	2.0	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(G,H,I)PERYLENE	2/25/2014	150	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZALDEHYDE	2/25/2014		Yes	Ν	U		U	190	20	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)PYRENE	2/25/2014	430	Yes	Υ				190	4.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ATRAZINE	2/25/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PYRENE	2/25/2014	560	Yes	Υ				190	1.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CHRYSENE	2/25/2014	420	Yes	Υ				190	1.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(B)FLUORANTHENE	2/25/2014	680	Yes	Υ				190	3.6	ug/kg

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Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	<u>Lab Qual Val Qual</u>	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U	U	360	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U	U	190	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	360	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENOL	2/25/2014		Yes	N	U	U	190	19	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U	U	190	12	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U	U	190	9.6	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U	U	190	50	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROPHENOL	2/25/2014		Yes	N	U	U	360	64	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U	U	360	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	U	190	3.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROANILINE	2/25/2014		Yes	N	U ·	U	190	54	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U	Ü	190	15	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	U	190	58	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U	U	190	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3-NITROANILINE	2/25/2014		Yes	N	U	U	360	42	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROPHENOL	2/25/2014		Yes	N	U	U	190	8.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U	U	190	28	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U	U	190	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U	υ	190	12	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLOROPHENOL	2/25/2014		Yes	N	U	U	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U	U	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U	U	190	5.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENANTHRENE	2/25/2014	320	Yes	Υ			190	3.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ANTHRACENE	2/25/2014	75	Yes	Υ	J	J	190	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U	U	190	7.6	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROPHENOL	2/25/2014		Yes	N	U		U	360	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROANILINE	2/25/2014		Yes	N	υ		υ	360	59	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHENE	2/25/2014	21	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHYLENE	2/25/2014	32	Yes	Υ	J		J	190	1.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACETOPHENONE	2/25/2014		Yes	N	U		υ	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROANILINE	2/25/2014		Yes	N	U		U	360	21	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZOFURAN	2/25/2014		Yes	N	U		U	190	1.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-BUTYL PHTHALATE	2/25/2014	180	Yes	Υ	J	υ	U	190	64	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	190	56	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	190	14	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORANTHENE	2/25/2014	740	Yes	Υ				190	2.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ISOPHORONE	2/25/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	INDENO(1,2,3-C,D)PYRENE	2/25/2014	140	Yes	Υ	J		J	190	5.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NAPHTHALENE	2/25/2014		Yes	N	U		U	190	3.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	40	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORENE	2/25/2014	19	Yes	Υ	J		J	190	4.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIETHYL PHTHALATE	2/26/2014		No	Ν	U		U	3700	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIMETHYL PHTHALATE	2/26/2014		No	N	U		U	3700	96	ug/kg

Analytical Method SW	3270D							,				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	ACETOPHENONE	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-BUTYL PHTHALATE	2/26/2014		No	N	U		U	3700	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ANTHRACENE	2/26/2014		No	N	U		U	3700	94	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZOFURAN	2/26/2014		No	N	U		U	3700	38	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZALDEHYDE	2/26/2014		No	N	U		U	3700	400	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZ(A,H)ANTHRACENE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		No	N	U		U	3700	380	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		No	N	U		U	3700	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-OCTYLPHTHALATE	2/26/2014		No	N	U		υ	3700	86	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODI-N-PROPYLAMINE	2/26/2014		No	N	U		U	3700	290	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CARBAZOLE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CAPROLACTAM	2/26/2014		No	N	U		U	3700	1600	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ATRAZINE	2/26/2014		No	N	U		U	3700	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODIPHENYLAMINE	2/26/2014		No	N	U		U	3700	200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHYLENE	2/26/2014		No	N	U		U	3700	30	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHENE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CHRYSENE	2/26/2014	430	No	Υ	J		J	3700	37	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		No	N	U		U	3700	320	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DIMETHYLPHENOL	2/26/2014		No	N	U		U	3700	990	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PYRENE	2/26/2014	600	No	Υ	J		J	3700	24	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENOL	2/26/2014		No	N	U		U	3700	390	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NAPHTHALENE	2/26/2014		No	N	U		U	3700	61	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PENTACHLOROPHENOL	2/26/2014		No	N ·	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORANTHENE	2/26/2014		No	N	U		U	3700	53	ug/kg

Analytical Method SW	8270D							-				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	NITROBENZENE	2/26/2014		No	N	U		U	3700	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ISOPHORONE	2/26/2014		No	N	U		U	3700	180	ug/kg
CC-C-041-0-2-20140219	480-55092-3	INDENO(1,2,3-C,D)PYRENE	2/26/2014		No	N	U		U	3700	100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROETHANE	2/26/2014		No	N	U		U	3700	280	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROCYCLOPENTADIENE	2/26/2014		No	N	U		U	3700	1100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBUTADIENE	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBENZENE	2/26/2014		No	N	U		U	3700	180	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORENE	2/26/2014		No	N	U		U	3700	85	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENANTHRENE	2/26/2014		No	N	U		U	3700	77	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3-NITROANILINE	2/26/2014		No	N	U		υ	7200	850	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROPHENOL	2/26/2014		No	N	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROTOLUENE	2/26/2014		No	N	U		U	3700	570	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,6-DINITROTOLUENE	2/26/2014		No	N	U		υ	3700	900	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLNAPHTHALENE	2/26/2014		No	N	U		U	3700	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLOROPHENOL	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLORONAPHTHALENE	2/26/2014		No	N	U		U	3700	250	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		No	N	U		U	3700	200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLPHENOL (O-CRESOL)	2/26/2014		No	N	U		υ	3700	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROANILINE	2/26/2014		No	N	U		U	7200	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)ANTHRACENE	2/26/2014		No	N	U		U	3700	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3,3'-DICHLOROBENZIDINE	2/26/2014		No	N	U		υ	3700	3200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		No	N	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROPHENOL	2/26/2014		No	N	Ų		υ	7200	890	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-BROMOPHENYL PHENYL ETHER	2/26/2014		No	N	U		U	3700	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-METHYLPHENOL (P-CRESOL)	2/26/2014		No	N	U		U	7200	200	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	BENZO(B)FLUORANTHENE	2/26/2014	540	No	Υ	J		J	3700	71	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(G,H,I)PERYLENE	2/26/2014		No	N	U		U	3700	44	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROPHENOL	2/26/2014		No	N	U		U	3700	170	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLORO-3-METHYLPHENOL	2/26/2014		No	N	U		U	3700	150	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)PYRENE	2/26/2014		No	N	U		U	3700	89	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZYL BUTYL PHTHALATE	2/26/2014	72000	Yes	Υ				3700	990	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		No	N	U		U	3700	78	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROANILINE	2/26/2014		No	N	U		U	7200	410	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,5-TRICHLOROPHENOL	2/26/2014		No	N	U		U	3700	800	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,6-TRICHLOROPHENOL	2/26/2014		No	N	U		U	3700	240	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIPHENYL (DIPHENYL)	2/26/2014		No	N	U		U	3700	230	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DICHLOROPHENOL	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROANILINE	2/26/2014		No	N	U		U	3700	1100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(K)FLUORANTHENE	2/26/2014	230	No	Υ	J		J	3700	40	ug/kg
CC-C-041-2-4-20140219	480-55092-4	FLUORENE	2/25/2014	350	Yes	Υ	J		J	920	21	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	920	200	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	920	61	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		υ	920	250	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DINITROPHENOL	2/25/2014		Yes	Ν	U		U	1800	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	920	140	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PHENANTHRENE	2/25/2014	3300	Yes	Υ				920	19	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		υ	920	48	ug/kg
CC-C-041-2-4-20140219	480 - 55092-4	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	920	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	920	280	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	920	71	ug/kg
CC-C-041-2-4-20140219	480-55092-4	INDENO(1,2,3-C,D)PYRENE	2/25/2014	510	Yes	Υ	J		J	920	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ISOPHORONE	2/25/2014		Yes	N	U		U	920	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	NAPHTHALENE	2/25/2014		Yes	N	U		U	920	15	ug/kg
CC-C-041-2-4-20140219	480-55092-4	NITROBENZENE	2/25/2014		Yes	N	U		U	920	41	ug/kg
CC-C-041-2-4-20140219	480-55092-4	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	920	73	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	920	220	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-041-2-4-20140219	480-55092-4	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	920	800	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PHENOL	2/25/2014		Yes	N	U		U	920	97	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PYRENE	2/25/2014	3200	Yes	Υ				920	5.9	ug/kg
CC-C-041-2-4-20140219	480-55092-4	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	920	50	ug/kg
CC-C-041-2-4-20140219	480-55092-4	CAPROLACTAM	2/25/2014		Yes	N	U		U	920	400	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-NITROANILINE	2/25/2014		Yes	N	U		U	1800	290	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(B)FLUORANTHENE	2/25/2014	2300	Yes	Υ				920	18	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(G,H,I)PERYLENE	2/25/2014	510	Yes	Υ	J		J	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(K)FLUORANTHENE	2/25/2014	1000	Yes	Υ				920	10	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	920	250	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	920	57	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	υ		U	920	50	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	υ		U	920	79	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(A)ANTHRACENE	2/25/2014	1800	Yes	Υ				920	16	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	920	300	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZALDEHYDE	2/25/2014		Yes	N	U		U	920	100	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL.	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	CARBAZOLE	2/25/2014	180	Yes	Υ	J		J	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	CHRYSENE	2/25/2014	1700	Yes	Υ				920	9.2	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIBENZOFURAN	2/25/2014		Yes	N	U		υ	920	9.5	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIETHYL PHTHALATE	2/25/2014		Yes	Ň	U		U	920	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	920	24	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	920	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	920	21	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	920	96	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	920	270	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	920	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	FLUORANTHENE	2/25/2014	4400	Yes	Υ				920	13	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-NITROPHENOL	2/25/2014		Yes	N	U		U	920	42	ug/kg
CC-C-041-2-4-20140219	480-55092-4	3-NITROANILINE	2/25/2014		Yes	N	U		U	1800	210	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(A)PYRENE	2/25/2014	1600	Yes	Υ				920	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	920	38	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	920	62	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	920	20	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-NITROANILINE	2/25/2014		Yes	N	υ		U	1800	100	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-NITROPHENOL	2/25/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ACENAPHTHENE	2/25/2014	370	Yes	Υ	J		J	920	11	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	920	7.5	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ACETOPHENONE	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ANTHRACENE	2/25/2014	840	Yes	Υ	J		J	920	23	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ATRAZINE	2/25/2014		Yes	N	U		U	920	41	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	920	290	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-041-8-10-20140219	480-55092-5	FLUORENE	2/26/2014		Yes	N	U		υ	1900	43	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CARBAZOLE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CHRYSENE	2/26/2014	250	Yes	Υ	J		J	1900	19	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIBENZOFURAN	2/26/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PYRENE	2/26/2014	320	Yes	Υ	J		J	1900	12	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PHENOL	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PHENANTHRENE	2/26/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	<u>Val Qual</u>	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	υ		υ	1900	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-041-8-10-20140219	480-55092-5	NAPHTHALENE	2/26/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-041-8-10-20140219	480-55092-5	FLUORANTHENE	2/26/2014	330	Yes	Υ	J		J	1900	27	ug/kg
CC-C-041-8-10-20140219	480-55092-5	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	1900	52	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROETHANE	2/26/2014		Yes	Ν	U		U	1900	140	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		υ	1900	560	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROBENZENE	2/26/2014		Yes	N	υ		U	1900	93	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(B)FLUORANTHENE	2/26/2014	300	Yes	Υ	J		J	1900	36	ug/kg
CC-C-041-8-10-20140219	480-55092-5	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-041-8-10-20140219	480-55092-5	3-NITROANILINE	2/26/2014		Yes	N	U		U	3700	430	ug/kg
CC-C-041-8-10-20140219	480-55092-5	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-NITROANILINE	2/26/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DINITROTOLUENE	2/26/2014		Yes	Ν	U		U	1900	290	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	υ		U	1900	98	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	1900	45	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	32	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZALDEHYDE	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ATRAZINE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACENAPHTHENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-NITROPHENOL	2/26/2014		Yes	N	U		U	3700	450	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-NITROANILINE	2/26/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		υ	3700	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLOROANILINE	2/26/2014		Yes	N	U		υ	1900	550	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ANTHRACENE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
FB003-GW-20140219	480-55092-6	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l

Analytical Method SW	/8270D									
Sample ID	Lab Sample D	Chemical Name	Anai Date Ro	esult Repor	t Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	CAPROLACTAM	2/25/2014	Yes	N	U	U	5.0	2.2	ug/l
FB003-GW-20140219	480-55092-6	CARBAZOLE	2/25/2014	Yes	N	υ	U	5.0	0.30	ug/l
FB003-GW-20140219	480-55092-6	CHRYSENE	2/25/2014	Yes	N	U	U	5.0	0.33	ug/l
FB003-GW-20140219	480-55092-6	DIBENZ(A,H)ANTHRACENE	2/25/2014	Yes	N	U	U	5.0	0.42	ug/l
FB003-GW-20140219	480-55092-6	4-CHLORO-3-METHYLPHENOL	2/25/2014	Yes	N	U	U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	2-CHLORONAPHTHALENE	2/25/2014	Yes	N	U	U	5.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	BIPHENYL (DIPHENYL)	2/25/2014	Yes	N	U	U	5.0	0.65	ug/l
FB003-GW-20140219	480-55092-6	2,6-DINITROTOLUENE	2/25/2014	Yes	N	U	U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	2,4-DINITROTOLUENE	2/25/2014	Yes	N	U	U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	2,4-DINITROPHENOL	2/25/2014	Yes	N	U	U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	2,4-DIMETHYLPHENOL	2/25/2014	Yes	N	U	υ	5.0	0.50	ug/l
FB003-GW-20140219	480-55092-6	2,4-DICHLOROPHENOL	2/25/2014	Yes	N	U	υ	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	2,4,5-TRICHLOROPHENOL	2/25/2014	Yes	N	U	U	5.0	0.48	ug/l
FB003-GW-20140219	480-55092-6	2-CHLOROPHENOL	2/25/2014	Yes	N	U	υ	5.0	0.53	ug/l
FB003-GW-20140219	480-55092-6	BENZALDEHYDE	2/25/2014	Yes	N	U	U	5.0	0.27	ug/l
FB003-GW-20140219	480-55092-6	DIETHYL PHTHALATE	2/25/2014	Yes	N	U	U	5.0	0.22	ug/l
FB003-GW-20140219	480-55092-6	4,6-DINITRO-2-METHYLPHENOL	2/25/2014	Yes	N	U	U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	3,3'-DICHLOROBENZIDINE	2/25/2014	Yes	N	U	U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	3-NITROANILINE	2/25/2014	Yes	N	U	υ	10	0.48	ug/l
FB003-GW-20140219	480-55092-6	ACENAPHTHENE	2/25/2014	Yes	N	U	U	5.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	ACENAPHTHYLENE	2/25/2014	Yes	N	U	U	5.0	0.38	ug/l
FB003-GW-20140219	480-55092-6	ACETOPHENONE	2/25/2014	Yes	N	U	U	5.0	0.54	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROETHOXY) METHANE	2/25/2014	Yes	N	U	U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	ATRAZINE	2/25/2014	Yes	N	U	U	5.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	4-NITROPHENOL	2/25/2014	Yes	N	U	U	10	1.5	ug/l

Analytical Method SW8	270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qua	l Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	BENZO(A)PYRENE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
FB003-GW-20140219	480-55092-6	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U	U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	U	5.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.42	ug/l
FB003-GW-20140219	480-55092-6	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	ANTHRACENE	2/25/2014		Yes	N	U	U	5.0	0.28	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROETHANE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	PHENOL	2/25/2014		Yes	N	U	υ	5.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U	U	5.0	0.61	ug/l
FB003-GW-20140219	480-55092-6	PENTACHLOROPHENOL	2/25/2014		Yes	N	U	U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U	U	5.0	0.54	ug/l
FB003-GW-20140219	480-55092-6	NITROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.29	ug/l
FB003-GW-20140219	480-55092-6	NAPHTHALENE	2/25/2014		Yes	N	U	U	5.0	0.76	ug/l
FB003-GW-20140219	480-55092-6	4-CHLOROANILINE	2/25/2014		Yes	N	U	υ	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l
FB003-GW-20140219	480-55092-6	PYRENE	2/25/2014		Yes	N	U	U	5.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	U	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U	U	5.0	0.68	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROBENZENE	2/25/2014		Yes	N	U	U	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	FLUORENE	2/25/2014		Yes	N	U	U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	FLUORANTHENE	2/25/2014		Yes	N	U	υ	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	U	5.0	0.47	ug/l

Analytical Method SW	8270D						<u> </u>					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.31	ug/l
FB003-GW-20140219	480-55092-6	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
FB003-GW-20140219	480-55092-6	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB003-GW-20140219	480-55092-6	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
FB003-GW-20140219	480-55092-6	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB003-GW-20140219	480-55092-6	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
FB003-GW-20140219	480-55092-6	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
FB003-GW-20140219	480-55092-6	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
FB026-20140219	480-55092-7	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
FB026-20140219	480-55092-7	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB026-20140219	480-55092-7	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
FB026-20140219	480-55092-7	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB026-20140219	480-55092-7	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB026-20140219	480-55092-7	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB026-20140219	480-55092-7	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB026-20140219	480-55092-7	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB026-20140219	480-55092-7	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l
FB026-20140219	480-55092-7	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB026-20140219	480-55092-7	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092 - 7	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB026-20140219	480-55092 - 7	PHENANTHRENE	2/25/2014		Yes	N	U		υ	5.0	0.44	ug/l
FB026-20140219	480-55092-7	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l

SDG: 480550921

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB026-20140219	480-55092-7	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		υ	5.0	0.60	ug/l
FB026-20140219	480-55092-7	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
FB026-20140219	480-55092-7	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB026-20140219	480-55092-7	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB026-20140219	480-55092-7	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
FB026-20140219	480-55092-7	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092-7	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
FB026-20140219	480-55092-7	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB026-20140219	480-55092-7	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB026-20140219	480-55092-7	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
FB026-20140219	480-55092-7	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
FB026-20140219	480-55092-7	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
FB026-20140219	480-55092-7	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
FB026-20140219	480-55092-7	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
FB026-20140219	480-55092-7	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092-7	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
FB026-20140219	480-55092-7	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB026-20140219	480-55092-7	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Va	l Qual Fin	al qual	RL	MDL.	Units
FB026-20140219	480-55092-7	FLUORANTHENE	2/25/2014		Yes	N	U	ι	J	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U	ι	J	5.0	0.47	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U	ι	J	5.0	0.35	ug/l
FB026-20140219	480-55092-7	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U	ι	J	5.0	0.36	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/25/2014		Yes	N	U	ι	J	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DIBENZOFURAN	2/25/2014		Yes	N	U	ι	J .	10	0.51	ug/l
FB026-20140219	480-55092-7	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U ,	ι	J	5.0	0.42	ug/l
FB026-20140219	480-55092-7	CHRYSENE	2/25/2014		Yes	N	U	ι	ι	5:0	0.33	ug/l
FB026-20140219	480-55092-7	CARBAZOLE	2/25/2014		Yes	N	U	ι	J	5.0	0.30	ug/l
FB026-20140219	480-55092-7	CAPROLACTAM	2/25/2014		Yes	N	υ	ι	J	5.0	2.2	ug/l
FB026-20140219	480-55092-7	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U	ι	J	5.0	1.8	ug/l
FB026-20140219	480-55092-7	3-NITROANILINE	2/25/2014		Yes	N	U	ι	J	10	0.48	ug/l
FB026-20140219	480-55092-7	DI-N-BUTYL PHTHALATE	2/25/2014	0.59	Yes	Υ	J	J	I	5.0	0.31	ug/l
FB026-20140219	480-55092-7	2-CHLOROPHENOL	2/25/2014		Yes	N	U	ŧ	J	5.0	0.53	ug/l
FB026-20140219	480-55092-7	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U	ι	J	5.0	0.40	ug/l
FB026-20140219	480-55092-7	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	l	J	5.0	0.42	ug/l
FB026-20140219	480-55092-7	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U	ι	J	5.0	0.73	ug/l
FB026-20140219	480-55092-7	ATRAZINE	2/25/2014		Yes	N	U	ι	j	5.0	0.46	ug/l
FB026-20140219	480-55092-7	ACETOPHENONE	2/25/2014		Yes	N	U	ι	J	5.0	0.54	ug/l
FB026-20140219	480-55092-7	ACENAPHTHENE	2/25/2014		Yes	N	U	ŧ	J	5.0	0.41	ug/l
FB026-20140219	480-55092-7	4-NITROPHENOL	2/25/2014		Yes	N	U	ι	J	10	1.5	ug/l
FB026-20140219	480-55092-7	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U	ι	J	10	2.2	ug/l
FB026-20140219	480-55092-7	2-NITROANILINE	2/25/2014		Yes	N	U	ι	J	10	0.42	ug/l
FB026-20140219	480-55092-7	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U	ι	J	5.0	0.35	ug/l

Analytical Method	SW8270D			_			<u> </u>					
Sample ID	Lah Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quai	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB026-20140219	480-55092-7	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l

Analytical Method	SW6010C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Q	ual Final qual	RL	MDL	Units
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U	U	0.0050	0.0015	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U	U	0.50	0.10	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U	U	0.020	0.0068	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	υ	U	0.010	0.0056	mg/l
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	υ	U	0.0010	0.00050	mg/l
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U	U	0.0020	0.00030	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U	U	0.0020	0.00070	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Υ	J	J	0.010	0.0015	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U	U	0.020	0.010	mg/l
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U	U	1.0	0.32	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U	U	0.0030	0.0017	mg/i
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U	U	0.010	0.0016	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U	U	0.50	0.10	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U	U	0.010	0.0013	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U	U	0.0040	0.0010	mg/l
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Υ	J	J	0.0030	0.00040	mg/l
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U	U	0.20	0.043	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U	U	0.0050	0.0030	mg/l
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Υ	J	J	0.050	0.019	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U	U	0.015	0.0087	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	U	U	0.20	0.060	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	U	U	0.0040	0.00063	mg/l
4801676501A	4801676501A	POTASSIUM	3/4/2014		Yes	N	U	U	157	20.9	mg/kg
4801676501A	4801676501A	SELENIUM	3/4/2014		Yes	N	U	U	20.9	0.42	mg/kg
4801676501A	4801676501A	SILVER	3/4/2014		Yes	N	U	U	2.6	0.21	mg/kg

Analytical Method	SW6010C										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Va	d Qual Final qual	RL	MDL	Units
4801676501A	4801676501A	SODIUM	3/4/2014		Yes	N	U	U	731	13.6	mg/kg
4801676501A	4801676501A	THALLIUM	3/4/2014		Yes	N	U	U	31.3	0.31	mg/kg
4801676501A	4801676501A	ZINC	3/4/2014	0.331	Yes	Υ	J	J	10.4	0.16	mg/kg
4801676501A	4801676501A	NICKEL	3/4/2014		Yes	N	U	U	26.1	0.24	mg/kg
4801676501A	4801676501A	COPPER	3/4/2014		Yes	N	U	U	5.2	0.22	mg/kg
4801676501A	4801676501A	VANADIUM	3/4/2014		Yes	N	U	U	2.6	0.11	mg/kg
4801676501A	4801676501A	BERYLLIUM	3/4/2014		Yes	N	U	U	1.0	0.029	mg/kg
4801676501A	4801676501A	ALUMINUM	3/4/2014		Yes	N	U	U	52.2	4.6	mg/kg
4801676501A	4801676501A	LEAD	3/4/2014		Yes	N	U	U	5.2	0.25	mg/kg
4801676501A	4801676501A	MANGANESE	3/4/2014	0.0627	Yes	Υ	J	J	1.0	0.033	mg/kg
4801676501A	4801676501A	BARIUM	3/4/2014		Yes	N	U	U	2.6	0.11	mg/kg
4801676501A	4801676501A	ANTIMONY	3/4/2014		Yes	N	U	U	78.3	0.42	mg/kg
4801676501A	4801676501A	CADMIUM	3/4/2014		Yes	N	U	U	1.0	0.031	mg/kg
4801676501A	4801676501A	CALCIUM	3/4/2014	3.41	Yes	Υ	J	J	261	3.4	mg/kg
4801676501A	4801676501A	CHROMIUM, TOTAL	3/4/2014		Yes	N	U	U	2.6	0.21	mg/kg
4801676501A	4801676501A	COBALT	3/4/2014		Yes	N	U	U	2.6	0.052	mg/kg
4801676501A	4801676501A	IRON	3/4/2014	3.09	Yes	Υ	J	J	52.2	1.1	mg/kg
4801676501A	4801676501A	MAGNESIUM	3/4/2014		Yes	N	U	U	104	0.97	mg/kg
4801676501A	4801676501A	ARSENIC	3/4/2014		Yes	N	U	U	10.4	0.42	mg/kg
4801676521A	4801676521A	SELENIUM	3/4/2014		Yes	N	U	U	22.0	0.44	mg/kg
4801676521A	4801676521A	MAGNESIUM	3/4/2014		Yes	N	U	U	110	1.0	mg/kg
4801676521A	4801676521A	MANGANESE	3/4/2014	0.044	Yes	Υ	J	J	1.1	0.035	mg/kg
4801676521A	4801676521A	NICKEL	3/4/2014		Yes	N	U	U	27.5	0.25	mg/kg
4801676521A	4801676521A	POTASSIUM	3/4/2014		Yes	N	U	U	165	22.0	mg/kg
4801676521A	4801676521A	SILVER	3/4/2014		Yes	N	U	U	2.8	0.22	mg/kg

Analytical Method SW6	6010C			<u>_</u>								
Sample ID	Lab <u>Sample</u> D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676521A	4801676521A	SODIUM	3/4/2014		Yes	N	U		U	770	14.3	mg/kg
4801676521A	4801676521A	THALLIUM	3/4/2014		Yes	N	U		U	33.0	0.33	mg/kg
4801676521A	4801676521A	VANADIUM	3/4/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801676521A	4801676521A	ANTIMONY	3/4/2014		Yes	N	U		U	82.5	0.44	mg/kg
4801676521A	4801676521A	COPPER	3/4/2014		Yes	N	U		υ	5.5	0.23	mg/kg
4801676521A	4801676521A	ZINC	3/4/2014	0.367	Yes	Υ	J		J	11.0	0.17	mg/kg
4801676521A	4801676521A	ALUMINUM	3/4/2014		Yes	N	U		U	55.0	4.8	mg/kg
4801676521A	4801676521A	COBALT	3/4/2014		Yes	N	U		υ	2.8	0.055	mg/kg
4801676521A	4801676521A	CHROMIUM, TOTAL	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
4801676521A	4801676521A	CALCIUM	3/4/2014	11.56	Yes	Υ	J		J	275	3.6	mg/kg
4801676521A	4801676521A	CADMIUM	3/4/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801676521A	4801676521A	BERYLLIUM	3/4/2014		Yes	N	U		U	1.1	0.031	mg/kg
4801676521A	4801676521A	BARIUM	3/4/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801676521A	4801676521A	ARSENIC	3/4/2014		Yes	N	U		U	11.0	0.44	mg/kg
4801676521A	4801676521A	LEAD	3/4/2014		Yes	N	U		U	5.5	0.26	mg/kg
4801676521A	4801676521A	IRON	3/4/2014	2.19	Yes	Υ	J		J	55.0	1.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ZINC	3/4/2014	21.9	Yes	Υ	В	J	J	11.1	0.17	mg/kg
CC-C-048-0-2-20140221	480-55157-1	POTASSIUM	3/4/2014	453	Yes	Υ				167	22.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SELENIUM	3/4/2014		Yes	N	U		U	22.2	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SODIUM	3/4/2014	78	Yes	Υ	J		J	778	14.5	mg/kg
CC-C-048-0-2-20140221	480-55157-1	MAGNESIUM	3/4/2014	1040	Yes	Υ		J	J	111	1.0	mg/kg
CC-C-048-0-2-20140221	480-55157-1	VANADIUM	3/4/2014	11.3	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-048-0-2-20140221	480-55157-1	THALLIUM	3/4/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-048-0-2-20140221	480-55157-1	MANGANESE	3/4/2014	88.5	Yes	Y	В	J	J	1.1	0.036	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	LEAD	3/4/2014	17.3	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-048-0-2-20140221	480-55157-1	IRON	3/4/2014	6810	Yes	Υ	В	J	J	55.6	1.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	COPPER	3/4/2014	9.1	Yes	Υ		J	J	5.6	0.23	mg/kg
CC-C-048-0-2-20140221	480-55157-1	COBALT	3/4/2014	2.2	Yes	Υ	J		J	2.8	0.056	mg/kg
CC-C-048-0-2-20140221	480-55157-1	CHROMIUM, TOTAL	3/4/2014	9.5	Yes	Υ		J	J	2.8	0.22	mg/kg
CC-C-048-0-2-20140221	480-55157-1	NICKEL	3/4/2014	4.2	Yes	Υ	J	J	J	27.8	0.26	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ARSENIC	3/4/2014	3.9	Yes	Υ	J		J	11.1	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157 - 1	CALCIUM	3/4/2014	14100	Yes	Υ	В	j	J	278	3.7	mg/kg
CC-C-048-0-2-20140221	480-55157-1	CADMIUM	3/4/2014	0.13	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-048-0-2-20140221	480-55157-1	BARIUM	3/4/2014	22.7	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ANTIMONY	3/4/2014	0.79	Yes	Υ	J		J	83.4	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ALUMINUM	3/4/2014	5890	Yes	Υ		J	J	55.6	4.9	mg/kg
CC-C-048-0-2-20140221	480-55157-1	BERYLLIUM	3/4/2014	0.17	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ARSENIC	3/4/2014	4.1	Yes	Υ	J		J	10.6	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CALCIUM	3/4/2014	8440	Yes	Υ	В	J	J	265	3.5	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ALUMINUM	3/4/2014	6150	Yes	Υ		J	J	52.9	4.7	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ANTIMONY	3/4/2014	0.45	Yes	Υ	J		J	79.4	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	MANGANESE	3/4/2014	203	Yes	Υ	В	J	J	1.1	0.034	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ZINC	3/4/2014	70.5	Yes	Υ	В	J	J	10.6	0.16	mg/kg
CC-C-048-4-6-20140221	480-55157 - 3	VANADIUM	3/4/2014	16.6	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-048-4-6-20140221	480-55157-3	THALLIUM	3/4/2014		Yes	N	U		U	31.7	0.32	mg/kg
CC-C-048-4-6-20140221	480-55157-3	SODIUM	3/4/2014	100	Yes	Υ	J		J	741	13.8	mg/kg
CC-C-048-4-6-20140221	480-55157-3	SILVER	3/4/2014	0.25	Yes	Υ	J		J	2.6	0.21	mg/kg
CC-C-048-4-6-20140221	480-55157 - 3	SELENIUM	3/4/2014		Yes	N	U		U	21.2	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	BERYLLIUM	3/4/2014	0.24	Yes	Υ	J		J	1.1	0.030	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	NICKEL	3/4/2014	11	Yes	Υ	J	J	J	26.5	0.24	mg/kg
CC-C-048-4-6-20140221	480-55157-3	BARIUM	3/4/2014	39.7	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-048-4-6-20140221	480-55157-3	MAGNESIUM	3/4/2014	4140	Yes	Υ		j	J	106	0.98	mg/kg
CC-C-048-4-6-20140221	480-55157-3	LEAD	3/4/2014	90.9	Yes	Υ		J	J	5.3	0.25	mg/kg
CC-C-048-4-6-20140221	480-55157-3	IRON	3/4/2014	13300	Yes	Υ	В	J	J	52.9	1.2	mg/kg
CC-C-048-4-6-20140221	480-55157-3	COPPER	3/4/2014	28.3	Yes	Υ		J	J	5.3	0.22	mg/kg
CC-C-048-4-6-20140221	480-55157-3	COBALT	3/4/2014	4.5	Yes	Υ				2.6	0.053	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CHROMIUM, TOTAL	3/4/2014	15.2	Yes	Υ		j	J	2.6	0.21	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CADMIUM	3/4/2014	0.29	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-048-4-6-20140221	480-55157-3	POTASSIUM	3/4/2014	607	Yes	Υ				159	21.2	mg/kg
CC-C-048-8-10-20140221	480-55157-4	MAGNESIUM	3/4/2014	2590	Yes	Υ		J	J	110	1.0	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ALUMINUM	3/4/2014	5720	Yes	Υ		J	J	55.1	4.9	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ARSENIC	3/4/2014	9.8	Yes	Υ	J		J	11.0	0.44	mg/kg
CC-C-048-8-10-20140221	480 - 55157-4	BARIUM	3/4/2014	76.2	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-048-8-10-20140221	480-55157-4	BERYLLIUM	3/4/2014	0.25	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CADMIUM	3/4/2014	0.78	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CALCIUM	3/4/2014	7230	Yes	Υ	В	J	J	276	3.6	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CHROMIUM, TOTAL	3/4/2014	18	Yes	Υ		J	J	2.8	0.22	mg/kg
CC-C-048-8-10-20140221	480-55157-4	COBALT	3/4/2014	6	Yes	Υ				2.8	0.055	mg/kg
CC-C-048-8-10-20140221	480-55157-4	COPPER	3/4/2014	96.9	Yes	Υ		J	J	5.5	0.23	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ANTIMONY	3/4/2014	2.3	Yes	Υ	J		J	82.7	0.44	mg/kg
CC-C-048-8-10-20140221	480-55157-4	LEAD	3/4/2014	699	Yes	Υ		J	J	5.5	0.26	mg/kg
CC-C-048-8-10-20140221	480-55157-4	MANGANESE	3/4/2014	206	Yes	Υ	В	J	J	1.1	0.035	mg/kg
CC-C-048-8-10-20140221	480-55157-4	NICKEL	3/4/2014	15.8	Yes	Υ	J	J	J	27.6	0.25	mg/kg
CC-C-048-8-10-20140221	480-55157-4	POTASSIUM	3/4/2014	643	Yes	Υ				165	22.1	mg/kg

Analytical Method SW6	8010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
CC-C-048-8-10-20140221	480-55157-4	SELENIUM	3/4/2014		Yes	N	U		U	22.1	0.44	mg/kg
CC-C-048-8-10-20140221	480-55157-4	SILVER	3/4/2014	2.1	Yes	Υ	J		J	2.8	0.22	mg/kg
CC-C-048-8-10-20140221	480-55157-4	SODIUM	3/4/2014	180	Yes	Υ	J		J	772	14.3	mg/kg
CC-C-048-8-10-20140221	480-55157-4	THALLIUM	3/4/2014		Yes	N	U		U	33.1	0.33	mg/kg
CC-C-048-8-10-20140221	480-55157-4	VANADIUM	3/4/2014	16.9	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ZINC	3/4/2014	183	Yes	Υ	В	j	J	11.0	0.17	mg/kg
CC-C-048-8-10-20140221	480-55157-4	IRON	3/4/2014	15200	Yes	Υ	В	J	J	55.1	1.2	mg/kg
CC-C-049-0-2-20140221	480-55157-5	CHROMIUM, TOTAL	3/4/2014	19.1	Yes	Υ		J	J	3.4	0.27	mg/kg
CC-C-049-0-2-20140221	480-55157-5	POTASSIUM	3/4/2014	833	Yes	Υ				201	26.8	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ZINC	3/4/2014	169	Yes	Υ	В	J	J	13.4	0.21	mg/kg
CC-C-049-0-2-20140221	480-55157-5	VANADIUM	3/4/2014	22	Yes	Υ		J	J	3.4	0.15	mg/kg
CC-C-049-0-2-20140221	480-55157-5	THALLIUM	3/4/2014		Yes	N	U		U	40.2	0.40	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SODIUM	3/4/2014	131	Yes	Υ	J		J	939	17.4	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SELENIUM	3/4/2014		Yes	N	U		υ	26.8	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	NICKEL	3/4/2014	18.8	Yes	Υ	J	J	J	33.5	0.31	mg/kg
CC-C-049-0-2-20140221	480-55157-5	MANGANESE	3/4/2014	308	Yes	Υ	В	J	J	1.3	0.043	mg/kg
CC-C-049-0-2-20140221	480-55157-5	MAGNESIUM	3/4/2014	9360	Yes	Υ		J	J	134	1.2	mg/kg
CC-C-049-0-2-20140221	480-5515 7- 5	LEAD	3/4/2014	144	Yes	Υ		J	J	6.7	0.32	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ANTIMONY	3/4/2014	3.9	Yes	Υ	J		J	101	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SILVER	3/4/2014	1.5	Yes	Υ	J		J	3.4	0.27	mg/kg
CC-C-049-0-2-20140221	480-55157 - 5	ALUMINUM	3/4/2014	7110	Yes	Υ		J	J	67.1	5.9	mg/kg
CC-C-049-0-2-20140221	480-55157-5	IRON	3/4/2014	15600	Yes	Υ	В	J	J	67.1	1.5	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ARSENIC	3/4/2014	15	Yes	Υ				13.4	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	BARIUM	3/4/2014	81.8	Yes	Υ		J	J	3.4	0.15	mg/kg
CC-C-049-0-2-20140221	480-55157-5	CALCIUM	3/4/2014	20700	Yes	Υ	В	J	J	335	4.4	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	CADMIUM	3/4/2014	0.86	Yes	Υ	J		J	1.3	0.040	mg/kg
CC-C-049-0-2-20140221	480-55157-5	COBALT	3/4/2014	7.1	Yes	Υ				3.4	0.067	mg/kg
CC-C-049-0-2-20140221	480-55157-5	COPPER	3/4/2014	79.9	Yes	Υ		J	J	6.7	0.28	mg/kg
CC-C-049-0-2-20140221	480-55157-5	BERYLLIUM	3/4/2014	0.27	Yes	Υ	J		J	1.3	0.038	mg/kg
CC-C-049-2-4-20140221	480-55157-6	VANADIUM	3/4/2014	19.7	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-049-2-4-20140221	480-55157-6	MAGNESIUM	3/4/2014	2360	Yes	Υ		J	J	112	1.0	mg/kg
CC-C-049-2-4-20140221	480-55157-6	MANGANESE	3/4/2014	232	Yes	Υ	В	J	J	1.1	0.036	mg/kg
CC-C-049-2-4-20140221	480-55157-6	NICKEL	3/4/2014	23.3	Yes	Υ	j	J	J	28.0	0.26	mg/kg
CC-C-049-2-4-20140221	480-55157-6	POTASSIUM	3/4/2014	682	Yes	Υ				168	22.4	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SELENIUM	3/4/2014		Yes	N	U		U	22.4	0.45	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SILVER	3/4/2014	1.8	Yes	Υ	J		J	2.8	0.22	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ZINC	3/4/2014	173	Yes	Υ	В	J	J	11.2	0.17	mg/kg
CC-C-049-2-4-20140221	480-55157-6	THALLIUM	3/4/2014		Yes	N	U		U	33.6	0.34	mg/kg
CC-C-049-2-4-20140221	480-55157-6	BERYLLIUM	3/4/2014	0.26	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-049-2-4-20140221	480-55157-6	LEAD	3/4/2014	130	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SODIUM	3/4/2014	208	Yes	Υ	J		J	783	14.5	mg/kg
CC-C-049-2-4-20140221	480-55157-6	BARIUM	3/4/2014	76.6	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CALCIUM	3/4/2014	6280	Yes	Υ	В	J	J	280	3.7	mg/kg
CC-C-049-2-4-20140221	480-55157-6	IRON	3/4/2014	19200	Yes	Υ	В	J	J	55.9	1.2	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ARSENIC	3/4/2014	7.1	Yes	Υ	J		J	11.2	0.45	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ALUMINUM	3/4/2014	6790	Yes	Υ		J	J	55.9	4.9	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CADMIUM	3/4/2014	0.65	Yes	Υ	J		J	1.1	0.034	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CHROMIUM, TOTAL	3/4/2014	20.2	Yes	Υ		J	j	2.8	0.22	mg/kg
CC-C-049-2-4-20140221	480-55157-6	COBALT	3/4/2014	8	Yes	Υ				2.8	0.056	mg/kg
CC-C-049-2-4-20140221	480-55157-6	COPPER	3/4/2014	128	Yes	Υ		J	J	5.6	0.23	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	ANTIMONY	3/4/2014	2.2	Yes	Υ	J		J	83.9	0.45	mg/kg
CC-C-049-8-10-20140221	480-55157-7	MAGNESIUM	3/4/2014	729	Yes	Υ		J	J	104	0.96	mg/kg
CC-C-049-8-10-20140221	480-55157-7	LEAD	3/4/2014	25.5	Yes	Υ		J	J	5.2	0.25	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SELENIUM	3/4/2014		Yes	N	U		U	20.8	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157-7	MANGANESE	3/4/2014	55	Yes	Υ	В	J	J	1.0	0.033	mg/kg
CC-C-049-8-10-20140221	480-55157-7	NICKEL	3/4/2014	4.4	Yes	Υ	J	J	J	26.0	0.24	mg/kg
CC-C-049-8-10-20140221	480-55157-7	POTASSIUM	3/4/2014	531	Yes	Υ				156	20.8	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SILVER	3/4/2014	0.69	Yes	Υ	J		J	2.6	0.21	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SODIUM	3/4/2014	108	Yes	Υ	J		J	728	13.5	mg/kg
CC-C-049-8-10-20140221	480-55157-7	THALLIUM	3/4/2014		Yes	N	U		U	31.2	0.31	mg/kg
CC-C-049-8-10-20140221	480 - 55157-7	ZINC	3/4/2014	36.5	Yes	Υ	В	J	J	10.4	0.16	mg/kg
CC-C-049-8-10-20140221	480-55157-7	BARIUM	3/4/2014	13.8	Yes	Υ		J	J	2.6	0.11	mg/kg
CC-C-049-8-10-20140221	480-55157-7	IRON	3/4/2014	5790	Yes	Υ	В	J	j	52.0	1.1	mg/kg
CC-C-049-8-10-20140221	480-55157-7	VANADIUM	3/4/2014	8.3	Yes	Υ		J	J	2.6	0.11	mg/kg
CC-C-049-8-10-20140221	480-55157-7	COBALT	3/4/2014	2	Yes	Υ	J		J	2.6	0.052	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CHROMIUM, TOTAL	3/4/2014	8.5	Yes	Υ		J	J	2.6	0.21	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CALCIUM	3/4/2014	4540	Yes	Υ	В	J	J	260	3.4	mg/kg
CC-C-049-8-10-20140221	480-55157-7	BERYLLIUM	3/4/2014	0.15	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CADMIUM	3/4/2014	0.24	Yes	Υ	J		J	1.0	0.031	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ARSENIC	3/4/2014	7.2	Yes	Υ	J		J	10.4	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ANTIMONY	3/4/2014	1.3	Yes	Υ	J		J	78.0	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157 - 7	ALUMINUM	3/4/2014	2650	Yes	Υ		J	J	52.0	4.6	mg/kg
CC-C-049-8-10-20140221	480-55157-7	COPPER	3/4/2014	27.7	Yes	Υ		J	J	5.2	0.22	mg/kg
CC-C-050-0-2-20140221	480-55157-8	THALLIUM	3/4/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-050-0-2-20140221	480-55157-8	COPPER	3/4/2014	35.2	Yes	Υ		J	J	5.2	0.22	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	LEAD	3/4/2014	48.7	Yes	Υ		J	J	5.2	0.25	mg/kg
CC-C-050-0-2-20140221	480-55157-8	MAGNESIUM	3/4/2014	524	Yes	Υ		J	J	105	0.97	mg/kg
CC-C-050-0-2-20140221	480-55157-8	MANGANESE	3/4/2014	75.8	Yes	Υ	В	J	J	1.0	0.033	mg/kg
CC-C-050-0-2-20140221	480-55157-8	NICKEL	3/4/2014	8	Yes	Υ	J	J	J	26.1	0.24	mg/kg
CC-C-050-0-2-20140221	480-55157-8	POTASSIUM	3/4/2014	317	Yes	Υ				157	20.9	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SELENIUM	3/4/2014		Yes	N	U		U	20.9	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SODIUM	3/4/2014	34.1	Yes	Υ	J		J	732	13.6	mg/kg
CC-C-050-0-2-20140221	480-55157-8	COBALT	3/4/2014	2.3	Yes	Υ	J		J	2.6	0.052	mg/kg
CC-C-050-0-2-20140221	480-55157-8	VANADIUM	3/4/2014	8.2	Yes	Υ		J	J	2.6	0.11	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ZINC	3/4/2014	79.3	Yes	Υ	В	J	J	10.5	0.16	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SILVER	3/4/2014	0.78	Yes	Υ	J		J	2.6	0.21	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ALUMINUM	3/4/2014	2420	Yes	Υ		J	J	52.3	4.6	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CALCIUM	3/4/2014	1530	Yes	Υ	В	J	J	261	3.4	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CADMIUM	3/4/2014	0.36	Yes	Υ	J		J	1.0	0.031	mg/kg
CC-C-050-0-2-20140221	480-55157-8	BERYLLIUM	3/4/2014	0.13	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-050-0-2-20140221	480-55157-8	BARIUM	3/4/2014	30.1	Yes	Υ		J	J	2.6	0.11	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ARSENIC	3/4/2014	4.4	Yes	Υ	J		J	10.5	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ANTIMONY	3/4/2014	2.8	Yes	Υ	J		J	78.4	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	IRON	3/4/2014	8350	Yes	Υ	В	J	J	52.3	1.1	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CHROMIUM, TOTAL	3/4/2014	7.8	Yes	Υ		J	J	2.6	0.21	mg/kg
CC-C-050-2-4-20140221	480-55157-9	NICKEL	3/4/2014	5.1	Yes	Υ	J	J	J	30.4	0.28	mg/kg
CC-C-050-2-4-20140221	480-55157-9	MANGANESE	3/4/2014	50.1	Yes	Υ	В	J	J	1.2	0.039	mg/kg
CC-C-050-2-4-20140221	480-55157-9	MAGNESIUM	3/4/2014	469	Yes	Υ		J	J	122	1.1	mg/kg
CC-C-050-2-4-20140221	480-55157-9	POTASSIUM	3/4/2014	399	Yes	Υ				182	24.3	mg/kg
CC-C-050-2-4-20140221	480-55157-9	IRON	3/4/2014	7730	Yes	Υ	В	J	J	60.8	1.3	mg/kg

Analytical Method SW6	5010C											
Sample ID	Lab Sample 1 0	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	THALLIUM	3/4/2014		Yes	N	U		U	36.5	0.36	mg/kg
CC-C-050-2-4-20140221	480-55157-9	LEAD	3/4/2014	19.8	Yes	Υ		J	J	6.1	0.29	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ZINC	3/4/2014	38.7	Yes	Υ	В	J	J	12.2	0.19	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SILVER	3/4/2014	0.64	Yes	Υ	J		J	3.0	0.24	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ALUMINUM	3/4/2014	2290	Yes	Υ		J	J	60.8	5.4	mg/kg
CC-C-050-2-4-20140221	480-55157-9	VANADIUM	3/4/2014	10.2	Yes	Υ		J	J	3.0	0.13	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SODIUM	3/4/2014	29.9	Yes	Υ	J		J	851	15.8	mg/kg
CC-C-050-2-4-20140221	480-55157-9	COPPER	3/4/2014	14.5	Yes	Υ		J	J	6.1	0.26	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CHROMIUM, TOTAL	3/4/2014	8.7	Yes	Υ		J	J	3.0	0.24	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CALCIUM	3/4/2014	611	Yes	Υ	В	J	J	304	4.0	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CADMIUM	3/4/2014	0.2	Yes	Υ	J		J	1.2	0.036	mg/kg
CC-C-050-2-4-20140221	480-55157-9	BERYLLIUM	3/4/2014	0.19	Yes	Υ	J		J	1.2	0.034	mg/kg
CC-C-050-2-4-20140221	480-55157-9	BARIUM	3/4/2014	16.8	Yes	Υ		J	J	3.0	0.13	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ARSENIC	3/4/2014	3.6	Yes	Υ	J		J	12.2	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ANTIMONY	3/4/2014	1.7	Yes	Υ	J		J	91.2	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	COBALT	3/4/2014	2.1	Yes	Υ	J		J	3.0	0.061	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ZINC	3/4/2014	63.3	Yes	Υ	В	J	J	11.4	0.17	mg/kg
CC-C-050-8-10-20140221	480-55157-10	COPPER	3/4/2014	27	Yes	Υ		J	J	5.7	0.24	mg/kg
CC-C-050-8-10-20140221	480-55157-10	IRON	3/4/2014	10100	Yes	Υ	В	J	J	56.9	1.3	mg/kg
CC-C-050-8-10-20140221	480-55157-10	LEAD	3/4/2014	37.5	Yes	Υ		J	J	5.7	0.27	mg/kg
CC-C-050-8-10-20140221	480-55157-10	MAGNESIUM	3/4/2014	1300	Yes	Υ		J	J	114	1.1	mg/kg
CC-C-050-8-10-20140221	480-55157-10	MANGANESE	3/4/2014	99.5	Yes	Υ	В	J	J	1.1	0.036	mg/kg
CC-C-050-8-10-20140221	480-55157-10	NICKEL	3/4/2014	7.8	Yes	Υ	J	J	J	28.4	0.26	mg/kg
CC-C-050-8-10-20140221	480-55157-10	POTASSIUM	3/4/2014	949	Yes	Υ				171	22.7	mg/kg

Analytical Method SW6	6010C								, <u> </u>			
Sample ID	Lab <u>Sample</u> D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	SILVER	3/4/2014	1.7	Yes	Υ	J		J	2.8	0.23	mg/kg
CC-C-050-8-10-20140221	480-55157-10	COBALT	3/4/2014	3.6	Yes	Υ				2.8	0.057	mg/kg
CC-C-050-8-10-20140221	480-55157-10	VANADIUM	3/4/2014	15.1	Yes	Υ		J	J	2.8	0.13	mg/kg
CC-C-050-8-10-20140221	480-55157-10	SELENIUM	3/4/2014	1	Yes	Υ	J		J	22.7	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	THALLIUM	3/4/2014		Yes	N	U		U	34.1	0.34	mg/kg
CC-C-050-8-10-20140221	480 - 55157-10	CALCIUM	3/4/2014	1240	Yes	Υ	В	J	J	284	3.8	mg/kg
CC-C-050-8-10-20140221	480-55157-10	CADMIUM	3/4/2014	0.54	Yes	Υ	J		J	1.1	0.034	mg/kg
CC-C-050-8-10-20140221	480-55157-10	BERYLLIUM	3/4/2014	0.26	Yes	Υ	J		J	1.1	0.032	mg/kg
CC-C-050-8-10-20140221	480-55157-10	BARIUM	3/4/2014	17.2	Yes	Υ		J	j	2.8	0.13	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ARSENIC	3/4/2014	19.4	Yes	Υ				11.4	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ANTIMONY	3/4/2014	2	Yes	Υ	J		J	85.3	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ALUMINUM	3/4/2014	4250	Yes	Υ		J	J	56.9	5.0	mg/kg
CC-C-050-8-10-20140221	480-55157-10	SODIUM	3/4/2014	373	Yes	Υ	J		J	796	14.8	mg/kg
CC-C-050-8-10-20140221	480-55157-10	CHROMIUM, TOTAL	3/4/2014	13.5	Yes	Υ		J	J	2.8	0.23	mg/kg
CC-C-051-0-2-20140221	480-55157-12	IRON	3/4/2014	12100	Yes	Υ	В	J	J	55.7	1.2	mg/kg
CC-C-051-0-2-20140221	480-55157-12	CHROMIUM, TOTAL	3/4/2014	12.7	Yes	Υ		J	J	2.8	0.22	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SILVER	3/4/2014	0.37	Yes	Υ	J		J	2.8	0.22	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SELENIUM	3/4/2014		Yes	N	U		U	22.3	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	POTASSIUM	3/4/2014	830	Yes	Υ				167	22.3	mg/kg
CC-C-051-0-2-20140221	480-55157-12	NICKEL	3/4/2014	9.6	Yes	Υ	J	J	J	27.9	0.26	mg/kg
CC-C-051-0-2-20140221	480-55157-12	MANGANESE	3/4/2014	175	Yes	Υ	В	J	J	1.1	0.036	mg/kg
CC-C-051-0-2-20140221	480-55157-12	LEAD	3/4/2014	82.2	Yes	Υ		J	J	5.6	0.27	mg/kg
CC-C-051-0-2-20140221	480-55157 - 12	CALCIUM	3/4/2014	24500	Yes	Υ	В	J	J	279	3.7	mg/kg
CC-C-051-0-2-20140221	480-55157-12	COPPER	3/4/2014	50.1	Yes	Υ		J	J	5.6	0.23	mg/kg
CC-C-051-0-2-20140221	480-55157-12	MAGNESIUM	3/4/2014	4630	Yes	Υ		J	J	111	1.0	mg/kg

Analytical Method SW		Of 1 151		B **				W.16 -	F2	D.		IInit.
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL_	MDL_	<u>Units</u>
CC-C-051-0-2-20140221	480-55157-12	THALLIUM	3/4/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-051-0-2-20140221	480-55157-12	COBALT	3/4/2014	4.3	Yes	Υ				2.8	0.056	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ZINC	3/4/2014	84.1	Yes	Υ	В	J	J	11.1	0.17	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SODIUM	3/4/2014	160	Yes	Υ	J		J	780	14.5	mg/kg
CC-C-051-0-2-20140221	480-55157 - 12	CADMIUM	3/4/2014	0.41	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-051-0-2-20140221	480-55157-12	BERYLLIUM	3/4/2014	0.15	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-051-0-2-20140221	480-55157-12	BARIUM	3/4/2014	48.7	Yes	Υ		j	J	2.8	0.12	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ARSENIC	3/4/2014	6.3	Yes	Υ	J		J	11.1	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ALUMINUM	3/4/2014	5850	Yes	Υ		J	J	55.7	4.9	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ANTIMONY	3/4/2014	2	Yes	Υ	J		J	83.6	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	VANADIUM	3/4/2014	16.7	Yes	Υ		J	J	2.8	0.12	mg/kg
CC-C-051-2-4-20140221	480-55157-13	NICKEL	3/4/2014	28.3	Yes	Υ	J	J	J	31.0	0.28	mg/kg
CC-C-051-2-4-20140221	480-55157-13	VANADIUM	3/4/2014	17	Yes	Υ		J	J	3.1	0.14	mg/kg
CC-C-051-2-4-20140221	480-55157-13	THALLIUM	3/4/2014		Yes	N	U		U	37.2	0.37	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SODIUM	3/4/2014	241	Yes	Υ	J		J	867	16.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SILVER	3/4/2014	2.7	Yes	Υ	J		J	3.1	0.25	mg/kg
CC-C-051-2-4-20140221	480-55157-13	POTASSIUM	3/4/2014	668	Yes	Υ				186	24.8	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ZINC	3/4/2014	541	Yes	Υ	В	J	J	12.4	0.19	mg/kg
CC-C-051-2-4-20140221	480-55157-13	MANGANESE	3/4/2014	318	Yes	Υ	В	j	J	1.2	0.040	mg/kg
CC-C-051-2-4-20140221	480-55157-13	MAGNESIUM	3/4/2014	1600	Yes	Υ		J	J	124	1.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	LEAD	3/4/2014	165	Yes	Υ		J	J	6.2	0.30	mg/kg
CC-C-051-2-4-20140221	480-55157-13	IRON	3/4/2014	17800	Yes	Υ	В	J	J	61.9	1.4	mg/kg
CC-C-051-2-4-20140221	480-55157-13	BARIUM	3/4/2014	102	Yes	Υ		J	J	3.1	0.14	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SELENIUM	3/4/2014	1.1	Yes	Υ	J		J	24.8	0.50	mg/kg
CC-C-051-2-4-20140221	480-55157-13	COPPER	3/4/2014	152	Yes	Υ		J	J	6.2	0.26	mg/kg

Analytical Method SW6	6010C									1 - 1		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	ARSENIC .	3/4/2014	9.2	Yes	Υ	J		J	12.4	0.50	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ALUMINUM	3/4/2014	5730	Yes	Υ		J	J	61.9	5.4	mg/kg
CC-C-051-2-4-20140221	480-55157-13	BERYLLIUM	3/4/2014	0.19	Yes	Υ	J		J	1.2	0.035	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CADMIUM	3/4/2014	1.1	Yes	Υ	J		J	1.2	0.037	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CALCIUM	3/4/2014	9210	Yes	Υ	В	J	J	310	4.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CHROMIUM, TOTAL	3/4/2014	22.3	Yes	Υ		J	J	3.1	0.25	mg/kg
CC-C-051-2-4-20140221	480-55157-13	COBALT	3/4/2014	7.6	Yes	Υ				3.1	0.062	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ANTIMONY	3/4/2014	3.9	Yes	Υ	J		J	92.9	0.50	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CADMIUM	3/4/2014	0.72	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ANTIMONY	3/4/2014	4	Yes	Υ	J		J	82.4	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	BERYLLIUM	3/4/2014	0.19	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-051-8-10-20140221	480-55157-14	BARIUM	3/4/2014	52.9	Yes	Υ		J	J	2.7	0.12	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ARSENIC	3/4/2014	7.7	Yes	Υ	J		J	11.0	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ALUMINUM	3/4/2014	3840	Yes	Υ		J	J	54.9	4.8	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SODIUM	3/4/2014	113	Yes	Υ	, J		J	769	14.3	mg/kg
CC-C-051-8-10-20140221	480-55157-14	THALLIUM	3/4/2014		Yes	N	υ		U	32.9	0.33	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SILVER	3/4/2014	1.7	Yes	Υ	J		J	2.7	0.22	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CALCIUM	3/4/2014	24800	Yes	Υ	В	J	J	275	3.6	mg/kg
CC-C-051-8-10-20140221	480-55157-14	VANADIUM	3/4/2014	13.2	Yes	Y		J	J	2.7	0.12	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CHROMIUM, TOTAL	3/4/2014	14.3	Yes	Υ		J	J	2.7	0.22	mg/kg
CC-C-051-8-10-20140221	480-55157-14	COBALT	3/4/2014	4.4	Yes	Υ				2.7	0.055	mg/kg
CC-C-051-8-10-20140221	480-55157-14	COPPER	3/4/2014	62	Yes	Υ		J	j	5.5	0.23	mg/kg
CC-C-051-8-10-20140221	480-55157-14	IRON	3/4/2014	19300	Yes	Υ	В	J	J	54.9	1.2	mg/kg
CC-C-051-8-10-20140221	480-55157-14	LEAD	3/4/2014	84.3	Yes	Υ		J	J	5.5	0.26	mg/kg
CC-C-051-8-10-20140221	480-55157-14	MAGNESIUM	3/4/2014	7140	Yes	Υ		J	J	110	1.0	mg/kg

Analytical Method SW6	3010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>R</u> esult	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	MANGANESE	3/4/2014	176	Yes	Υ	В	J	J	1.1	0.035	mg/kg
CC-C-051-8-10-20140221	480-55157-14	NICKEL	3/4/2014	11.9	Yes	Υ	J	J	J	27.5	0.25	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ZINC	3/4/2014	126	Yes	Υ	В	J	J	11.0	0.17	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	POTASSIUM	3/4/2014	488	Yes	Υ				165	22.0	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SODIUM	3/4/2014	95.5	Yes	Υ	J		J	733	13.6	mg/kg
CC-C-052-0-2-20140221	480-55157-15	VANADIUM	3/4/2014	22.2	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-052-0-2-20140221	480-55157-15	IRON	3/4/2014	13600	Yes	Υ	В	J	J	52.4	1.2	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ANTIMONY	3/4/2014	0.61	Yes	Υ	J		J	78.5	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ARSENIC	3/4/2014	7.4	Yes	Υ	J		J	10.5	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	BARIUM	3/4/2014	59.7	Yes	Υ		J	J	2.6	0.12	mg/kg
CC-C-052-0-2-20140221	480-55157-15	BERYLLIUM	3/4/2014	0.43	Yes	Υ	J		J	1.0	0.029	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CADMIUM	3/4/2014	0.28	Yes	Υ	J		J	1.0	0.031	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CALCIUM	3/4/2014	4730	Yes	Υ	В	J	J	262	3.5	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CHROMIUM, TOTAL	3/4/2014	16.9	Yes	Υ		J	J	2.6	0.21	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ALUMINUM	3/4/2014	7860	Yes	Υ		J	J	52.4	4.6	mg/kg
CC-C-052-0-2-20140221	480-55157-15	COPPER	3/4/2014	19.2	Yes	Υ		J	J	5.2	0.22	mg/kg
CC-C-052-0-2-20140221	480-55157-15	THALLIUM	3/4/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-052-0-2-20140221	480-55157-15	LEAD	3/4/2014	31.5	Yes	Υ		J	J	5.2	0.25	mg/kg
CC-C-052-0-2-20140221	480-55157-15	MAGNESIUM	3/4/2014	2880	Yes	Υ		J	J	105	0.97	mg/kg
CC-C-052-0-2-20140221	480-55157-15	MANGANESE	3/4/2014	231	Yes	Υ	В	J	J	1.0	0.034	mg/kg
CC-C-052-0-2-20140221	480-55157-15	NICKEL	3/4/2014	12.5	Yes	Υ	J	J	j	26.2	0.24	mg/kg
CC-C-052-0-2-20140221	480-55157-15	POTASSIUM	3/4/2014	1470	Yes	Υ				157	20.9	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SELENIUM	3/4/2014		Yes	N	U		υ	20.9	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg

Analytical Method SW6	5010C											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	COBALT	3/4/2014	6.3	Yes	Υ				2.6	0.052	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ZINC	3/4/2014	45.3	Yes	Υ	В	J	J	10.5	0.16	mg/kg
CC-C-052-2-4-20140221	480-55157-16	MANGANESE	3/4/2014	229	Yes	Υ	В	J	J	1.1	0.035	mg/kg
CC-C-052-2-4-20140221	480-55157-16	BARIUM	3/4/2014	58.1	Yes	Υ		J	J	2.7	0.12	mg/kg
CC-C-052-2-4-20140221	480-55157-16	BERYLLIUM	3/4/2014	0.41	Yes	Υ	J		J	1.1	0.031	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CADMIUM	3/4/2014	0.2	Yes	Υ	J		J	1.1	0.033	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CALCIUM	3/4/2014	2330	Yes	Υ	В	J	J .	273	3.6	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CHROMIUM, TOTAL	3/4/2014	16	Yes	Υ		J	J	2.7	0.22	mg/kg
CC-C-052-2-4-20140221	480-55157-16	COBALT	3/4/2014	5.2	Yes	Υ				2.7	0.055	mg/kg
CC-C-052-2-4-20140221	480-55157-16	COPPER	3/4/2014	22.8	Yes	Υ		J	J	5.5	0.23	mg/kg
CC-C-052-2-4-20140221	480-55157-16	IRON	3/4/2014	13400	Yes	Υ	В	J	J	54.6	1.2	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ZINC	3/4/2014	54.6	Yes	Υ	В	J	J	10.9	0.17	mg/kg
CC-C-052-2-4-20140221	480-55157-16	MAGNESIUM	3/4/2014	2270	Yes	Υ		J	J	109	1.0	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ARSENIC	3/4/2014	8.8	Yes	Υ	J		J	10.9	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	NICKEL	3/4/2014	13.6	Yes	Υ	J	J	J	27.3	0.25	mg/kg
CC-C-052-2-4-20140221	480-55157-16	POTASSIUM	3/4/2014	735	Yes	Υ				164	21.8	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SELENIUM	3/4/2014		Yes	N	U		U	21.8	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SILVER	3/4/2014	0.62	Yes	Υ	J		J	2.7	0.22	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SODIUM	3/4/2014	101	Yes	Υ	J		J	765	14.2	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ANTIMONY	3/4/2014		Yes	N	U		U	81.9	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ALUMINUM	3/4/2014	9340	Yes	Υ		J	J	54.6	4.8	mg/kg
CC-C-052-2-4-20140221	480-55157-16	LEAD	3/4/2014	41.2	Yes	Υ		J	J	5.5	0.26	mg/kg
CC-C-052-2-4-20140221	480-55157-16	VANADIUM	3/4/2014	19.8	Yes	Υ		J	J	2.7	0.12	mg/kg
CC-C-052-2-4-20140221	480-55157-16	THALLIUM	3/4/2014		Yes	N	U		U	32.8	0.33	mg/kg
CC-C-052-8-10-20140221	480-55157-17	THALLIUM	3/4/2014		Yes	N	U		U	36.6	0.37	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u> Detect</u>	Lab Quai	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	ALUMINUM	3/4/2014	4950	Yes	Υ		J	J	61.0	5.4	mg/kg
CC-C-052-8-10-20140221	480-55157-17	VANADIUM	3/4/2014	13	Yes	Υ		J	J	3.1	0.13	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SODIUM	3/4/2014	125	Yes	Υ	J		J	854	15.9	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SILVER	3/4/2014	0.74	Yes	Υ	J		J	3.1	0.24	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SELENIUM	3/4/2014		Yes	N	U		U	24.4	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	POTASSIUM	3/4/2014	472	Yes	Υ				183	24.4	mg/kg
CC-C-052-8-10-20140221	480-55157-17	NICKEL	3/4/2014	10	Yes	Υ	J	J	J	30.5	0.28	mg/kg
CC-C-052-8-10-20140221	480-55157-17	MANGANESE	3/4/2014	140	Yes	Υ	В	J	J	1.2	0.039	mg/kg
CC-C-052-8-10-20140221	480-55157-17	MAGNESIUM	3/4/2014	1760	Yes	Υ		J	J	122	1.1	mg/kg
CC-C-052-8-10-20140221	480-55157-17	LEAD	3/4/2014	57.1	Yes	Υ		J	J	6.1	0.29	mg/kg
CC-C-052-8-10-20140221	480 - 55157-17	ANTIMONY	3/4/2014	0.81	Yes	Υ	J		J	91.5	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	COPPER	3/4/2014	62.6	Yes	Υ		J	J	6.1	0.26	mg/kg
CC-C-052-8-10-20140221	480-55157-17	COBALT	3/4/2014	16.3	Yes	Υ				3.1	0.061	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CHROMIUM, TOTAL	3/4/2014	12.3	Yes	Υ		J	J	3.1	0.24	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CALCIUM	3/4/2014	37000	Yes	Υ	В	J	J	305	4.0	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CADMIUM	3/4/2014	1.4	Yes	Υ				1.2	0.037	mg/kg
CC-C-052-8-10-20140221	480-55157-17	BERYLLIUM	3/4/2014	0.15	Yes	Υ	J		J	1.2	0.034	mg/kg
CC-C-052-8-10-20140221	480-55157-17	BARIUM	3/4/2014	59.5	Yes	Υ		J	J	3.1	0.13	mg/kg
CC-C-052-8-10-20140221	480-55157-17	ARSENIC	3/4/2014	9.6	Yes	Υ	J		J	12.2	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	ZINC	3/4/2014	97.2	Yes	Υ	В	J	J	12.2	0.19	mg/kg
CC-C-052-8-10-20140221	480-55157-17	IRON	3/4/2014	15300	Yes	Υ	В	J	J	61.0	1.3	mg/kg
dup027-20140221	480-55157-11	NICKEL	3/4/2014	9.2	Yes	Υ	J	J	J	28.2	0.26	mg/kg
dup027-20140221	480-55157-11	POTASSIUM	3/4/2014	1120	Yes	Υ				169	22.6	mg/kg
dup027-20140221	480-55157-11	SELENIUM	3/4/2014		Yes	N	U		U	22.6	0.45	mg/kg
dup027-20140221	480-55157-11	SILVER	3/4/2014	2.3	Yes	Υ	J		J	2.8	0.23	mg/kg

Analytical Method	SW6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	SODIUM	3/4/2014	440	Yes	Υ	J		J	790	14.7	mg/kg
dup027-20140221	480-55157-11	THALLIUM	3/4/2014		Yes	N	U		υ	33.9	0.34	mg/kg
dup027-20140221	480-55157-11	MANGANESE	3/4/2014	107	Yes	Υ	В	J	J	1.1	0.036	mg/kg
dup027-20140221	480-55157-11	ZINC	3/4/2014	78.5	Yes	Υ	В	J	J	11.3	0.17	mg/kg
dup027-20140221	480-551 57-11	BERYLLIUM	3/4/2014	0.3	Yes	Υ	J		J	1.1	0.032	mg/kg
dup027-20140221	480-55157-11	VANADIUM	3/4/2014	17.2	Yes	Υ		J	J	2.8	0.12	mg/kg
dup027-20140221	480-55157-11	LEAD	3/4/2014	53.6	Yes	Υ		j	J	5.6	0.27	mg/kg
dup027-20140221	480-55157-11	COPPER	3/4/2014	39.2	Yes	Υ		J	J	5.6	0.24	mg/kg
dup027-20140221	480-55157-11	COBALT	3/4/2014	4.2	Yes	Υ				2.8	0.056	mg/kg
dup027-20140221	480-55157-11	CHROMIUM, TOTAL	3/4/2014	18	Yes	Υ		J	J	2.8	0.23	mg/kg
dup027-20140221	480-55157-11	CADMIUM	3/4/2014	0.72	Yes	Υ	J		J	1.1	0.034	mg/kg
dup027-20140221	480-55157-11	BARIUM	3/4/2014	42.2	Yes	Υ		J	J	2.8	0.12	mg/kg
dup027-20140221	480-55157-11	ARSENIC	3/4/2014	11.3	Yes	Υ				11.3	0.45	mg/kg
dup027-20140221	480-55157-11	ANTIMONY	3/4/2014	1.8	Yes	Υ	J		J	84.7	0.45	mg/kg
dup027-20140221	480-55157-11	ALUMINUM	3/4/2014	4760	Yes	Υ		J	J	56.4	5.0	mg/kg
dup027-20140221	480-55157-11	IRON	3/4/2014	10900	Yes	Υ	В	J	J	56.4	1.2	mg/kg
dup027-20140221	480-55157-11	CALCIUM	3/4/2014	1620	Yes	Υ	В	J	J	282	3.7	mg/kg
dup027-20140221	480-55157-11	MAGNESIUM	3/4/2014	1500	Yes	Υ		J	J	113	1.0	mg/kg
FB028-20140221	480-55157-32	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
FB028-20140221	480-55157-32	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB028-20140221	480-55157-32	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB028-20140221	480-55157-32	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB028-20140221	480-55157-32	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB028-20140221	480-55157-32	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB028-20140221	480-55157-32	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l

Analytical Method SV	V6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB028-20140221	480-55157-32	COPPER	2/27/2014	0.002	Yes	Υ	J		J	0.010	0.0016	mg/l
FB028-20140221	480-55157-32	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB028-20140221	480-55157-32	ZINC	2/27/2014	0.0016	Yes	Υ	BJ	U	U	0.010	0.0015	mg/l
FB028-20140221	480-55157-32	MAGNESIUM	2/27/2014		Yes	N	U		υ	0.20	0.043	mg/l
FB028-20140221	480-55157-32	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB028-20140221	480-55157-32	MANGANESE	2/27/2014		Yes	N	U		U	0.0030	0.00040	mg/l
FB028-20140221	480-55157-32	NICKEL	2/27/2014		Yes	Ν	U		υ	0.010	0.0013	mg/l
FB028-20140221	480-55157-32	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB028-20140221	480-55157-32	SELENIUM	2/27/2014		Yes	Ν	U		U	0.015	0.0087	mg/l
FB028-20140221	480-55157-32	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB028-20140221	480-55157-32	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
FB028-20140221	480-55157-32	THALLIUM	2/27/2014		Yes	Ν	U		υ	0.020	0.010	mg/i
FB028-20140221	480-55157-32	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB028-20140221	480-55157-32	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
LT-C-053-0-2-20140221	480-55157-24	LEAD	3/4/2014	81.7	Yes	Υ		J	J	5.9	0.28	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ALUMINUM	3/4/2014	4720	Yes	Υ		J	J	58.8	5.2	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ANTIMONY	3/4/2014	3.5	Yes	Υ	J		J	88.1	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ARSENIC	3/4/2014	16.4	Yes	Υ				11.8	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	BARIUM	3/4/2014	38.2	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-C-053-0-2-20140221	480-55157-24	BERYLLIUM	3/4/2014	0.25	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CADMIUM	3/4/2014	2.8	Yes	Υ				1.2	0.035	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CALCIUM	3/4/2014	13100	Yes	Υ	В			294	3.9	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CHROMIUM, TOTAL	3/4/2014	18.4	Yes	Υ				2.9	0.24	mg/kg
LT-C-053-0-2-20140221	480-55157-24	COBALT	3/4/2014	8.1	Yes	Υ				2.9	0.059	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	<u> Anal Date</u>	Result	Report	Detect	Lab Qual	Val Qual	Final qual	<u>RL</u>	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	ZINC	3/4/2014	81	Yes	Υ	В	J .	J	11.8	0.18	mg/kg
LT-C-053-0-2-20140221	480-55157-24	IRON	3/4/2014	9940	Yes	Υ	В			58.8	1.3	mg/kg
LT-C-053-0-2-20140221	480-55157-24	VANADIUM	3/4/2014	15.3	Yes	Υ				2.9	0.13	mg/kg
LT-C-053-0-2-20140221	480-55157-24	MAGNESIUM	3/4/2014	5240	Yes	Υ		J	J	118	1.1	mg/kg
LT-C-053-0-2-20140221	480-55157-24	MANGANESE	3/4/2014	126	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-C-053-0-2-20140221	480-55157-24	NICKEL	3/4/2014	13.8	Yes	Υ	J		J	29.4	0.27	mg/kg
LT-C-053-0-2-20140221	480-55157-24	POTASSIUM	3/4/2014	929	Yes	Υ		J	J	176	23.5	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SELENIUM	3/4/2014	1.7	Yes	Υ	J		J	23.5	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SILVER	3/4/2014	12.1	Yes	Υ				2.9	0.24	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SODIUM	3/4/2014	1000	Yes	Υ				823	15.3	mg/kg
LT-C-053-0-2-20140221	480-55157-24	THALLIUM	3/4/2014		Yes	N	U		U	35.3	0.35	mg/kg
LT-C-053-0-2-20140221	480-55157-24	COPPER	3/4/2014	94.6	Yes	Υ				5.9	0.25	mg/kg
LT-C-053-4-6-20140221	480-55157-25	MANGANESE	3/4/2014	102	Yes	Υ	В	J	J	1.3	0.041	mg/kg
LT-C-053-4-6-20140221	480-55157-25	CHROMIUM, TOTAL	3/4/2014	11.7	Yes	Υ				3.2	0.26	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ALUMINUM	3/4/2014	3540	Yes	Υ		J	J	64.8	5.7	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ANTIMONY	3/4/2014		Yes	N	U		U	97.3	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ARSENIC	3/4/2014	3.9	Yes	Υ	J		J	13.0	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	BARIUM	3/4/2014	23.8	Yes	Υ		J	J	3.2	0.14	mg/kg
LT-C-053-4-6-20140221	480-55157-25	BERYLLIUM	3/4/2014	0.16	Yes	Υ	J		J	1.3	0.036	mg/kg
LT-C-053-4-6-20140221	480-55157-25	POTASSIUM	3/4/2014	821	Yes	Υ		J	J	195	25.9	mg/kg
LT-C-053-4-6-20140221	480-55157-25	CALCIUM	3/4/2014	878	Yes	Υ	В			324	4.3	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ZINC	3/4/2014	40.9	Yes	Υ	В	J	J	13.0	0.20	mg/kg
LT-C-053-4-6-20140221	480-55157-25	COBALT	3/4/2014	2.7	Yes	Υ	J		J	3.2	0.065	mg/kg
LT-C-053-4-6-20140221	480-55157-25	COPPER	3/4/2014	16.9	Yes	Υ				6.5	0.27	mg/kg
LT-C-053-4-6-20140221	480-55157-25	THALLIUM	3/4/2014		Yes	N	U		U	38.9	0.39	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u> Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	CADMIUM	3/4/2014	0.22	Yes	Υ	J		J	1.3	0.039	mg/kg
LT-C-053-4-6-20140221	480-55157-25	VANADIUM	3/4/2014	11.8	Yes	Υ				3.2	0.14	mg/kg
LT-C-053-4-6-20140221	480-55157-25	IRON	3/4/2014	8350	Yes	Υ	В			64.8	1.4	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SODIUM	3/4/2014	186	Yes	Υ	J		J	908	16.9	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SILVER	3/4/2014	0.87	Yes	Υ	J		J	3.2	0.26	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SELENIUM	3/4/2014		Yes	N	U		U	25.9	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	NICKEL	3/4/2014	6.2	Yes	Υ	J		J	32.4	0.30	mg/kg
LT-C-053-4-6-20140221	480-55157-25	MAGNESIUM	3/4/2014	1280	Yes	Υ		j	J	130	1.2	mg/kg
LT-C-053-4-6-20140221	480-55157-25	LEAD	3/4/2014	35.4	Yes	Υ		J	J	6.5	0.31	mg/kg
LT-C-053-6-8-20140221	480-55157-26	COPPER	3/4/2014	4	Yes	Υ	J		J	5.4	0.23	mg/kg
LT-C-053-6-8-20140221	480-55157-26	IRON	3/4/2014	6800	Yes	Υ	В			53.9	1.2	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ANTIMONY	3/4/2014		Yes	N	υ		U	80.9	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ARSENIC	3/4/2014	3.2	Yes	Υ	J		J	10.8	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	BARIUM	3/4/2014	39.2	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-C-053-6-8-20140221	480-55157-26	BERYLLIUM	3/4/2014	0.14	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CADMIUM	3/4/2014	0.096	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CALCIUM	3/4/2014	940	Yes	Υ	В			270	3.6	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CHROMIUM, TOTAL	3/4/2014	9.7	Yes	Υ				2.7	0.22	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ALUMINUM	3/4/2014	3010	Yes	Υ		J	J	53.9	4.7	mg/kg
LT-C-053-6-8-20140221	480-55157-26	THALLIUM	3/4/2014		Yes	N	U		U	32.3	0.32	mg/kg
LT-C-053-6-8-20140221	480-55157-26	VANADIUM	3/4/2014	10.7	Yes	Υ				2.7	0.12	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SODIUM	3/4/2014	189	Yes	Υ	J		J	755	14.0	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SELENIUM	3/4/2014		Yes	N	U		U	21.6	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	POTASSIUM	3/4/2014	221	Yes	Υ		J	J	162	21.6	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL_	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	MANGANESE	3/4/2014	120	Yes	Υ	В	J	J	1.1	0.034	mg/kg
LT-C-053-6-8-20140221	480-55157-26	MAGNESIUM	3/4/2014	951	Yes	Υ		j	J	108	1.0	mg/kg
LT-C-053-6-8-20140221	480-55157-26	COBALT	3/4/2014	4.9	Yes	Υ				2.7	0.054	mg/kg
LT-C-053-6-8-20140221	480-55157-26	LEAD	3/4/2014	9.1	Yes	Υ		J	J	5.4	0.26	mg/kg
LT-C-053-6-8-20140221	480-55157-26	NICKEL	3/4/2014	7.5	Yes	Υ	J		J	27.0	0.25	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ZINC	3/4/2014	11.6	Yes	Υ	В	J	J	10.8	0.16	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ZINC	3/4/2014	25	Yes	Υ	В	J	J	11.9	0.18	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MANGANESE	3/4/2014	177	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-C-054-0-2-20140221	480-55157-27	NICKEL	3/4/2014	18.3	Yes	Υ	J		J	29.9	0.27	mg/kg
LT-C-054-0-2-20140221	480-55157-27	POTASSIUM	3/4/2014	483	Yes	Υ		J	J	179	23.9	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SELENIUM	3/4/2014	2.1	Yes	Υ	J		J	23.9	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SILVER	3/4/2014	2.7	Yes	Υ	J		J	3.0	0.24	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SODIUM	3/4/2014	633	Yes	Υ	J		J	836	15.5	mg/kg
LT-C-054-0-2-20140221	480-55157-27	VANADIUM	3/4/2014	8.8	Yes	Υ				3.0	0.13	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MAGNESIUM	3/4/2014	51000	Yes	Υ		J	J	119	1.1	mg/kg
LT-C-054-0-2-20140221	480-55157-27	COPPER	3/4/2014	35.4	Yes	Υ				6.0	0.25	mg/kg
LT-C-054-0-2-20140221	480-55157-27	THALLIUM	3/4/2014		Yes	N	U		U	35.8	0.36	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ANTIMONY	3/4/2014	1.7	Yes	Υ	J		J	89.6	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	LEAD	3/4/2014	23.8	Yes	Υ		J	J	6.0	0.29	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ALUMINUM	3/4/2014	3520	Yes	Υ		J	J	59.7	5.3	mg/kg
LT-C-054-0-2-20140221	480-55157-27	IRON	3/4/2014	5970	Yes	Υ	В			59.7	1.3	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ARSENIC	3/4/2014	10.6	Yes	Υ	J		J	11.9	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	BARIUM	3/4/2014	23.7	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-C-054-0-2-20140221	480-55157-27	BERYLLIUM	3/4/2014	0.18	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-C-054-0-2-20140221	480-55157-27	CALCIUM	3/4/2014	88200	Yes	Υ	В			299	3.9	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	WDL	Units
LT-C-054-0-2-20140221	480-55157-27	CHROMIUM, TOTAL	3/4/2014	8.7	Yes	Υ				3.0	0.24	mg/kg
LT-C-054-0-2-20140221	480-55157-27	COBALT	3/4/2014	10.1	Yes	Υ				3.0	0.060	mg/kg
LT-C-054-0-2-20140221	480-55157-27	CADMIUM	3/4/2014	0.8	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SODIUM	3/4/2014	142	Yes	Υ	J		J	797	14.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MAGNESIUM	3/4/2014	1510	Yes	Υ		J	J	114	1.1	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MANGANESE	3/4/2014	154	Yes	Υ	В	j	J	1.1	0.036	mg/kg
LT-C-054-2-4-20140221	480-55157-28	NICKEL	3/4/2014	10.8	Yes	Υ	J		J	28.5	0.26	mg/kg
LT-C-054-2-4-20140221	480-55157-28	POTASSIUM	3/4/2014	875	Yes	Υ		J	J	171	22.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ZINC	3/4/2014	18.6	Yes	Υ	В	J	J	11.4	0.17	mg/kg
LT-C-054-2-4-20140221	480-55157-28	VANADIUM	3/4/2014	9.9	Yes	Υ				2.8	0.13	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-054-2-4-20140221	480-55157-28	THALLIUM	3/4/2014		Yes	N	U		U	34.1	0.34	mg/kg
LT-C-054-2-4-20140221	480-55157-28	LEAD	3/4/2014	4.2	Yes	Υ	J	J	J	5.7	0.27	mg/kg
LT-C-054-2-4-20140221	480-55157-28	BARIUM	3/4/2014	34.5	Yes	Υ		J	J	2.8	0.13	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SELENIUM	3/4/2014	0.5	Yes	Υ	J		J	22.8	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ALUMINUM	3/4/2014	4110	Yes	Υ		J	J	56.9	5.0	mg/kg
LT-C-054-2-4-20140221	480-55157-28	COPPER	3/4/2014	9.1	Yes	Υ				5.7	0.24	mg/kg
LT-C-054-2-4-20140221	480-55157-28	COBALT	3/4/2014	3.6	Yes	Υ				2.8	0.057	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CHROMIUM, TOTAL	3/4/2014	15.4	Yes	Υ				2.8	0.23	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CALCIUM	3/4/2014	730	Yes	Υ	В			285	3.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	BERYLLIUM	3/4/2014	0.24	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ARSENIC	3/4/2014	3.7	Yes	Υ	J		J	11.4	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ANTIMONY	3/4/2014		Yes	N	U		U	85.4	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CADMIUM	3/4/2014	0.082	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-C-054-2-4-20140221	480-55157-28	IRON	3/4/2014	9870	Yes	Υ	В			56.9	1.3	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	LEAD	3/4/2014	6.2	Yes	Υ		j	J	5.2	0.25	mg/kg
LT-C-057-0-2-20140221	480-55157-29	IRON	3/4/2014	5190	Yes	Υ	В			51.9	1.1	mg/kg
LT-C-057-0-2-20140221	480-55157-29	COPPER	3/4/2014	10.7	Yes	Υ				5.2	0.22	mg/kg
LT-C-057-0-2-20140221	480-55157-29	COBALT	3/4/2014	3.1	Yes	Υ				2.6	0.052	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CHROMIUM, TOTAL	3/4/2014	8.8	Yes	Υ				2.6	0.21	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CALCIUM	3/4/2014	853	Yes	Υ	В			260	3.4	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MAGNESIUM	3/4/2014	927	Yes	Υ		J	J	104	0.96	mg/kg
LT-C-057-0-2-20140221	480-55157-29	BERYLLIUM	3/4/2014	0.2	Yes	Υ	J		J	1.0	0.029	mg/kg
LT-C-057-0-2-20140221	480-55157-29	THALLIUM	3/4/2014		Yes	N	U		U	31.1	0.31	mg/kg
LT-C-057-0-2-20140221	480-55157-29	BARIUM	3/4/2014	20.7	Yes	Υ		J	J	2.6	0.11	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CADMIUM	3/4/2014	0.14	Yes	Υ	J		J	1.0	0.031	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MANGANESE	3/4/2014	50	Yes	Υ	В	J	J	1.0	0.033	mg/kg
LT-C-057-0-2-20140221	480-55157-29	NICKEL	3/4/2014	9.4	Yes	Υ	J		J	26.0	0.24	mg/kg
LT-C-057-0-2-20140221	480-55157-29	POTASSIUM	3/4/2014	488	Yes	Υ		J	J	156	20.8	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SELENIUM	3/4/2014		Yes	N	U		U	20.8	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SODIUM	3/4/2014	103	Yes	Υ	J		J	727	13.5	mg/kg
LT-C-057-0-2-20140221	480-55157-29	VANADIUM	3/4/2014	7.3	Yes	Υ				2.6	0.11	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ZINC	3/4/2014	14.2	Yes	Υ	В	J	J	10.4	0.16	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ANTIMONY	3/4/2014		Yes	N	U		υ	77.9	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ALUMINUM	3/4/2014	2900	Yes	Υ		J	J	51.9	4.6	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ARSENIC	3/4/2014	4.7	Yes	Υ	J		J	10.4	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
LT-C-057-2-4-20140221	480-55157-30	IRON	3/4/2014	4840	Yes	Υ	В			61.2	1.3	mg/kg
LT-C-057-2-4-20140221	480-55157-30	COBALT	3/4/2014	1.5	Yes	Υ	J		J	3.1	0.061	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MAGNESIUM	3/4/2014	276	Yes	Υ		J	J	122	1.1	mg/kg

Analytical Method SW	6010C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	SODIUM	3/4/2014	64	Yes	Υ	J		J	857	15.9	mg/kg
LT-C-057-2-4-20140221	480-55157-30	SILVER	3/4/2014		Yes	N	U		U	3.1	0.24	mg/kg
LT-C-057-2-4-20140221	480-55157-30	SELENIUM	3/4/2014		Yes	N	U		U	24.5	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	POTASSIUM	3/4/2014	236	Yes	Υ		J	J	184	24.5	mg/kg
LT-C-057-2-4-20140221	480-55157-30	NICKEL	3/4/2014	3.2	Yes	Υ	J		J	30.6	0.28	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MANGANESE	3/4/2014	30.8	Yes	Υ	В	J	J	1.2	0.039	mg/kg
LT-C-057-2-4-20140221	480-55157-30	VANADIUM	3/4/2014	3.1	Yes	Υ				3.1	0.13	mg/kg
LT-C-057-2-4-20140221	480-55157-30	COPPER	3/4/2014	2.6	Yes	Υ	J		J	6.1	0.26	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ZINC	3/4/2014	15.1	Yes	Υ	В	J	J	12.2	0.19	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CHROMIUM, TOTAL	3/4/2014	5.4	Yes	Υ				3.1	0.24	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CALCIUM	3/4/2014	231	Yes	Υ	BJ	U	U	306	4.0	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CADMIUM	3/4/2014	0.039	Yes	Υ	J		J	1.2	0.037	mg/kg
LT-C-057-2-4-20140221	480-55157-30	BERYLLIUM	3/4/2014	0.066	Yes	Υ	J		J	1.2	0.034	mg/kg
LT-C-057-2-4-20140221	480-55157-30	BARIUM	3/4/2014	8.2	Yes	Υ		J	J	3.1	0.13	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ARSENIC	3/4/2014	2.7	Yes	Υ	J		J	12.2	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ANTIMONY	3/4/2014		Yes	N	U		U	91.8	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ALUMINUM	3/4/2014	1060	Yes	Υ		J	J	61.2	5.4	mg/kg
LT-C-057-2-4-20140221	480-55157-30	LEAD	3/4/2014	10	Yes	Υ		J	J	6.1	0.29	mg/kg
LT-C-057-2-4-20140221	480-55157-30	THALLIUM	3/4/2014		Yes	N	U		U	36.7	0.37	mg/kg
LT-C-057-6-8-20140221	480-55157-31	VANADIUM	3/4/2014	2.5	Yes	Υ	J		J	2.9	0.13	mg/kg
LT-C-057-6-8-20140221	480-55157-31	BARIUM	3/4/2014	4.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-C-057-6-8-20140221	480-55157-31	BERYLLIUM	3/4/2014	0.036	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CADMIUM	3/4/2014	0.052	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CALCIUM	3/4/2014	253	Yes	Υ	BJ	U	U	287	3.8	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CHROMIUM, TOTAL	3/4/2014	4.4	Yes	Υ				2.9	0.23	mg/kg

Analytical Method SW	6010C		· · · · · · · ·	****								
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
L.T-C-057-6-8-20140221	480-55157-31	COBALT	3/4/2014	0.65	Yes	Υ	J		J	2.9	0.057	mg/kg
LT-C-057-6-8-20140221	480-55157-31	COPPER	3/4/2014	2.9	Yes	Υ	J		J	5.7	0.24	mg/kg
LT-C-057-6-8-20140221	480-55157-31	IRON	3/4/2014	2240	Yes	Υ	В			57.4	1.3	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MAGNESIUM	3/4/2014	272	Yes	Υ		J	J	115	1.1	mg/kg
LT-C-057-6-8-20140221	480 - 55157-31	ARSENIC	3/4/2014	0.93	Yes	Υ	J		J	11.5	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MANGANESE	3/4/2014	30.8	Yes	Υ	В	J	J	1.1	0.037	mg/kg
LT-C-057-6-8-20140221	480-55157-31	NICKEL	3/4/2014	2.2	Yes	Υ	J		J	28.7	0.26	mg/kg
LT-C-057-6-8-20140221	480-55157-31	POTASSIUM	3/4/2014	250	Yes	Υ		j	J	172	23.0	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SELENIUM	3/4/2014		Yes	N	U		U	23.0	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ANTIMONY	3/4/2014		Yes	N	U		U	86.1	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ALUMINUM	3/4/2014	817	Yes	Υ		J	J	57.4	5.0	mg/kg
LT-C-057-6-8-20140221	480-55157-31	THALLIUM	3/4/2014		Yes	N	U		U	34.4	0.34	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ZINC	3/4/2014	11	Yes	Υ	ВЈ	J	J	11.5	0.18	mg/kg
LT-C-057-6-8-20140221	480-55157-31	LEAD	3/4/2014	7.1	Yes	Υ		J	J	5.7	0.28	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SODIUM	3/4/2014	95.8	Yes	Υ	J		J	803	14.9	mg/kg
LT-G-026-0-2-20140221	480-55157-18	NICKEL	3/4/2014	2.6	Yes	Υ	J	J	J	33.8	0.31	mg/kg
LT-G-026-0-2-20140221	480-55157-18	BARIUM	3/4/2014	18.3	Yes	Υ		J	J	3.4	0.15	mg/kg
LT-G-026-0-2-20140221	480-55157-18	BERYLLIUM	3/4/2014	0.057	Yes	Υ	J		J	1.4	0.038	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CADMIUM	3/4/2014	0.062	Yes	Υ	J		J	1.4	0.041	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CALCIUM	3/4/2014	1120	Yes	Υ	В	J	J	338	4.5	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CHROMIUM, TOTAL	3/4/2014	5.2	Yes	Υ		J	J	3.4	0.27	mg/kg
LT-G-026-0-2-20140221	480-55157-18	COBALT	3/4/2014	1.1	Yes	Υ	J		J	3.4	0.068	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ALUMINUM	3/4/2014	2080	Yes	Υ		J	J	67.7	6.0	mg/kg
LT-G-026-0-2-20140221	480-55157-18	COPPER	3/4/2014	8.2	Yes	Υ		J	J	6.8	0.28	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	ARSENIC	3/4/2014	2.1	Yes	Υ	J		J	13.5	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	LEAD	3/4/2014	35.5	Yes	Υ		J	J	6.8	0.32	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ANTIMONY	3/4/2014		Yes	N	U		U	101	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MAGNESIUM	3/4/2014	719	Yes	Υ		J	J	135	1.3	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MANGANESE	3/4/2014	49	Yes	Υ	В	J	J	1.4	0.043	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ZINC	3/4/2014	8.5	Yes	Υ	ВЈ	J	J	13.5	0.21	mg/kg
LT-G-026-0-2-20140221	480-55157-18	VANADIUM	3/4/2014	5.2	Yes	Υ		J	J	3.4	0.15	mg/kg
LT-G-026-0-2-20140221	480-55157-18	THALLIUM	3/4/2014		Yes	N	U		U	40.6	0.41	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SODIUM	3/4/2014	479	Yes	Υ	J		J	947	17.6	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SILVER	3/4/2014		Yes	N	U		υ	3.4	0.27	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SELENIUM	3/4/2014		Yes	N	U		U	27.1	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	POTASSIUM	3/4/2014	551	Yes	Υ				203	27.1	mg/kg
LT-G-026-0-2-20140221	480-55157-18	IRON	3/4/2014	3420	Yes	Υ	В	J	J	67.7	1.5	mg/kg
LT-G-026-4-6-20140221	480-55157-19	IRON	3/4/2014	9210	Yes	Υ	В	J	J	58.0	1.3	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ZINC	3/4/2014	14.3	Yes	Υ	В	J	J	11.6	0.18	mg/kg
LT-G-026-4-6-20140221	480-55157-19	VANADIUM	3/4/2014	15.3	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-026-4-6-20140221	480-55157-19	THALLIUM	3/4/2014		Yes	N	U		U	34.8	0.35	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SODIUM	3/4/2014	53.2	Yes	Υ	J		J	813	15.1	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SELENIUM	3/4/2014		Yes	N	U		U	23.2	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	POTASSIUM	3/4/2014	573	Yes	Υ				174	23.2	mg/kg
LT-G-026-4-6-20140221	480-55157-19	NICKEL	3/4/2014	5.9	Yes	Υ	J	J	J	29.0	0.27	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MANGANESE	3/4/2014	99.2	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ALUMINUM	3/4/2014	5800	Yes	Υ		J	j	58.0	5.1	mg/kg
LT-G-026-4-6-20140221	480-55157-19	LEAD	3/4/2014	4.7	Yes	Υ	J	J	J	5.8	0.28	mg/kg

Analytical Method SW	6010C											
Sample 1D	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	COPPER	3/4/2014	5.1	Yes	Υ	J	J	J	5.8	0.24	mg/kg
LT-G-026-4-6-20140221	480-55157-19	COBALT	3/4/2014	4.3	Yes	Υ				2.9	0.058	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CHROMIUM, TOTAL	3/4/2014	13.1	Yes	Υ		J	J	2.9	0.23	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CALCIUM	3/4/2014	758	Yes	Υ	В	J	J	290	3.8	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CADMIUM	3/4/2014	0.055	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-026-4-6-20140221	480-55157-19	BERYLLIUM	3/4/2014	0.24	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-G-026-4-6-20140221	480-55157-19	BARIUM	3/4/2014	30.3	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ARSENIC	3/4/2014	2.1	Yes	Υ	J		J	11.6	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ANTIMONY	3/4/2014		Yes	N	U		U	87.1	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MAGNESIUM	3/4/2014	1330	Yes	Υ		J	J	116	1.1	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CALCIUM	3/4/2014	696	Yes	Υ	В	J	J	267	3.5	mg/kg
LT-G-026-6-8-20140221	480-55157-20	POTASSIUM	3/4/2014	1600	Yes	Υ				160	21.3	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MANGANESE	3/4/2014	200	Yes	Υ	В	J	J	1.1	0.034	mg/kg
LT-G-026-6-8-20140221	480-55157-20	LEAD	3/4/2014	4.7	Yes	Υ	J	J	J	5.3	0.26	mg/kg
LT-G-026-6-8-20140221	480-55157-20	IRON	3/4/2014	19700	Yes	Υ	В	J	J	53.3	1.2	mg/kg
LT-G-026-6-8-20140221	480-55157-20	COPPER	3/4/2014	10.9	Yes	Υ		J	J	5.3	0.22	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CHROMIUM, TOTAL	3/4/2014	17.1	Yes	Υ		J	J	2.7	0.21	mg/kg
LT-G-026-6-8-20140221	480-55157-20	NICKEL	3/4/2014	12.2	Yes	Υ	J	J	J	26.7	0.25	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CADMIUM	3/4/2014	80.0	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-026-6-8-20140221	480-55157-20	BERYLLIUM	3/4/2014	0.28	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-G-026-6-8-20140221	480-55157-20	BARIUM	3/4/2014	60.4	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ARSENIC	3/4/2014	4.5	Yes	Υ	J		J	10.7	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ANTIMONY	3/4/2014		Yes	N	U		U	80.0	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157 - 20	ALUMINUM	3/4/2014	8210	Yes	Υ		J	J	53.3	4.7	mg/kg
LT-G-026-6-8-20140221	480-55157-20	COBALT	3/4/2014	5.2	Yes	Υ				2.7	0.053	mg/kg

Analytical Method SW	6010C											
Sample ID	<u>Lab Sample D</u>	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	VANADIUM	3/4/2014	20.2	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SELENIUM	3/4/2014		Yes	N	U		U	21.3	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SILVER	3/4/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SODIUM	3/4/2014	65.6	Yes	Υ	J		J	746	13.9	mg/kg
LT-G-026-6-8-20140221	480-55157-20	THALLIUM	3/4/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MAGNESIUM	3/4/2014	2900	Yes	Υ		J	J	107	0.99	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ZINC	3/4/2014	30.9	Yes	Υ	В	J	J	10.7	0.16	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ZINC	3/4/2014	45.9	Yes	Υ	В	J	J	11.0	0.17	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MANGANESE	3/4/2014	178	Yes	Υ	В	J	J	1.1	0.035	mg/kg
LT-G-027-0-2-20140221	480-55157-21	NICKEL	3/4/2014	10.7	Yes	Υ	J		J	27.5	0.25	mg/kg
LT-G-027-0-2-20140221	480-55157-21	POTASSIUM	3/4/2014	1870	Yes	Υ		J	J	165	22.0	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MAGNESIUM	3/4/2014	2750	Yes	Υ		J	J	110	1.0	mg/kg
LT-G-027-0-2-20140221	480-55157-21	THALLIUM	3/4/2014		Yes	N	U		U	33.1	0.33	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CALCIUM	3/4/2014	2010	Yes	Υ	В			275	3.6	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SODIUM	3/4/2014	480	Yes	Υ	J		J	771	14.3	mg/kg
LT-G-027-0-2-20140221	480-55157-21	LEAD	3/4/2014	65.7	Yes	Υ		J	J	5.5	0.26	mg/kg
LT-G-027-0-2-20140221	480-55157-21	IRON	3/4/2014	15200	Yes	Υ	В			55.1	1.2	mg/kg
LT-G-027-0-2-20140221	480-55157-21	COPPER	3/4/2014	27.3	Yes	Υ				5.5	0.23	mg/kg
LT-G-027-0-2-20140221	480-55157-21	VANADIUM	3/4/2014	28.1	Yes	Υ				2.8	0.12	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CHROMIUM, TOTAL	3/4/2014	20.5	Yes	Υ				2.8	0.22	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CADMIUM	3/4/2014	0.16	Yes	Υ	J		J	1.1	0.033	mg/kg
LT-G-027-0-2-20140221	480-55157-21	BERYLLIUM	3/4/2014	0.32	Yes	Υ	J		J	1.1	0.031	mg/kg
LT-G-027-0-2-20140221	480-55157-21	BARIUM	3/4/2014	54.6	Yes	Υ		J	J	2.8	0.12	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	ARSENIC	3/4/2014	5.8	Yes	Υ	J		J	11.0	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ANTIMONY	3/4/2014		Yes	N	U		U	82.6	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ALUMINUM	3/4/2014	7640	Yes	Υ		J	J	55.1	4.8	mg/kg
LT-G-027-0-2-20140221	480-55157-21	COBALT	3/4/2014	6.2	Yes	Υ				2.8	0.055	mg/kg
LT-G-027-2-4-20140221	480-55157-22	BERYLLIUM	3/4/2014	0.45	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-G-027-2-4-20140221	480-55157-22	LEAD	3/4/2014	8.7	Yes	Υ		J	J	5.8	0.28	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ZINC	3/4/2014	25.1	Yes	Υ	В	J	J	11.6	0.18	mg/kg
LT-G-027-2-4-20140221	480-55157-22	VANADIUM	3/4/2014	14.7	Yes	Υ				2.9	0.13	mg/kg
LT-G-027-2-4-20140221	480-55157-22	THALLIUM	3/4/2014		Yes	N	U		U	34.9	0.35	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SODIUM	3/4/2014	211	Yes	Υ	J		J	815	15.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SELENIUM	3/4/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-027-2-4-20140221	480-55157-22	POTASSIUM	3/4/2014	596	Yes	Υ		J	J	175	23.3	mg/kg
LT-G-027-2-4-20140221	480-55157 - 22	NICKEL	3/4/2014	9.9	Yes	Υ	J		J	29.1	0.27	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ARSENIC	3/4/2014	5.6	Yes	Υ	J		J	11.6	0.47	mg/kg
LT-G-027-2-4-20140221	480-55157-22	MAGNESIUM	3/4/2014	2190	Yes	Υ		J	J	116	1.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ALUMINUM	3/4/2014	4800	Yes	Υ		j	J	58.2	5.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	IRON	3/4/2014	17500	Yes	Υ	В			58.2	1.3	mg/kg
LT-G-027-2-4-20140221	480-55157-22	COPPER	3/4/2014	6	Yes	Υ				5.8	0.24	mg/kg
LT-G-027-2-4-20140221	480-55157-22	COBALT	3/4/2014	12.5	Yes	Υ				2.9	0.058	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CHROMIUM, TOTAL	3/4/2014	11.9	Yes	Υ				2.9	0.23	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CALCIUM	3/4/2014	9610	Yes	Υ	В			291	3.8	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CADMIUM	3/4/2014	0.25	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-027-2-4-20140221	480-55157-22	BARIUM	3/4/2014	86.2	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ANTIMONY	3/4/2014		Yes	N	U		U	87.4	0.47	mg/kg

Analytical Method SW6	010C											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	MANGANESE	3/4/2014	870	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-027-8-10-20140221	480-5515 7- 23	LEAD	3/4/2014	7.8	Yes	Υ		J	J	6.6	0.31	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ALUMINUM	3/4/2014	4550	Yes	Υ		J	J	65.6	5.8	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ANTIMONY	3/4/2014		Yes	N	U		U	98.4	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ARSENIC	3/4/2014	6	Yes	Υ	J		J	13.1	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	BARIUM	3/4/2014	40	Yes	Υ		j	J	3.3	0.14	mg/kg
LT-G-027-8-10-20140221	480-55157-23	BERYLLIUM	3/4/2014	0.17	Yes	Υ	J		J	1.3	0.037	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CADMIUM	3/4/2014	0.12	Yes	Υ	J		J	1.3	0.039	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CALCIUM	3/4/2014	709	Yes	Υ	В			328	4.3	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CHROMIUM, TOTAL	3/4/2014	13.6	Yes	Υ				3.3	0.26	mg/kg
LT-G-027-8-10-20140221	480-55157-23	COBALT	3/4/2014	6.2	Yes	Υ				3.3	0.066	mg/kg
LT-G-027-8-10-20140221	480-55157-23	IRON	3/4/2014	9690	Yes	Υ	В			65.6	1.4	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ZINC	3/4/2014	37.9	Yes	Υ	В	J	J	13.1	0.20	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SILVER	3/4/2014		Yes	N	U		U	3.3	0.26	mg/kg
LT-G-027-8-10-20140221	480-55157-23	VANADIUM	3/4/2014	12	Yes	Υ				3.3	0.14	mg/kg
LT-G-027-8-10-20140221	480-55157-23	COPPER	3/4/2014	7.5	Yes	Υ				6.6	0.28	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SODIUM	3/4/2014	54.1	Yes	Υ	J		J	918	17.1	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SELENIUM	3/4/2014		Yes	N	U		U	26.2	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	POTASSIUM	3/4/2014	747	Yes	Υ		J	J	197	26.2	mg/kg
LT-G-027-8-10-20140221	480-55157-23	NICKEL	3/4/2014	8.6	Yes	Υ	J		J	32.8	0.30	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MANGANESE	3/4/2014	80.9	Yes	Υ	В	J	J	1.3	0.042	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MAGNESIUM	3/4/2014	1480	Yes	Υ		J	J	131	1.2	mg/kg
LT-G-027-8-10-20140221	480-55157-23	THALLIUM	3/4/2014		Yes	N	U		U	39.3	0.39	mg/kg

Analytical Method SW	77470A											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	<u>RL</u>	MDL	Units
4801678161A	4801678161A	MERCURY	2/27/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB028-20140221	480-55157-32	MERCURY	2/27/2014		Yes	N	U		U	0.00020	0.00012	mg/l
Analytical Method SW	/7471B											
Sample ID	Lab Sample D	Chemical Name	Anal_Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676131A	4801676131A	MERCURY	2/26/2014		Yes	N	U		U	0.019	0.0078	mg/k
4801676161A	4801676161A	MERCURY	2/26/2014		Yes	N	U		U	0.019	0.0077	mg/k
CC-C-048-0-2-20140221	480-55157-1	MERCURY	2/26/2014	0.012	Yes	Υ	J		J	0.022	0.0089	mg/k
CC-C-048-4-6-20140221	480-55157-3	MERCURY	2/26/2014	0.035	Yes	Υ				0.021	0.0086	mg/k
CC-C-048-8-10-20140221	480-55157-4	MERCURY	2/26/2014	0.23	Yes	Y				0.021	0.0087	mg/k
CC-C-049-0-2-20140221	480-55157-5	MERCURY	2/26/2014	0.14	Yes	Υ				0.023	0.0095	mg/k
CC-C-049-2-4-20140221	480-55157-6	MERCURY	2/26/2014	0.13	Yes	Υ				0.020	0.0081	mg/k
CC-C-049-8-10-20140221	480-55157-7	MERCURY	2/26/2014	0.063	Yes	Υ				0.022	0.0088	mg/k
CC-C-050-0-2-20140221	480-55157-8	MERCURY	2/26/2014	0.11	Yes	Υ				0.021	0.0086	mg/k
CC-C-050-2-4-20140221	480-55157-9	MERCURY	2/26/2014	0.021	Yes	Υ	J		J	0.022	0.0088	mg/k
CC-C-050-8-10-20140221	480-55157-10	MERCURY	2/26/2014	0.084	Yes	Υ				0.024	0.0097	mg/k
CC-C-051-0-2-20140221	480-55157-12	MERCURY	2/26/2014	0.06	Yes	Υ				0.021	0.0086	mg/k
CC-C-051-2-4-20140221	480-55157-13	MERCURY	2/26/2014	0.24	Yes	Υ				0.021	0.0087	mg/k
CC-C-051-8-10-20140221	480-55157-14	MERCURY	2/26/2014	0.11	Yes	Υ				0.023	0.0094	mg/k
CC-C-052-0-2-20140221	480-55157-15	MERCURY	2/26/2014	0.055	Yes	Υ				0.022	0.0088	mg/k
CC-C-052-2-4-20140221	480-55157-16	MERCURY	2/26/2014	0.074	Yes	Υ				0.021	0.0087	mg/k
CC-C-052-8-10-20140221	480-55157-17	MERCURY	2/26/2014	0.037	Yes	Υ				0.024	0.0096	mg/k
dup027-20140221	480-55157-11	MERCURY	2/26/2014	0.14	Yes	Υ				0.023	0.0094	mg/k
LT-C-053-0-2-20140221	480-55157-24	MERCURY	2/26/2014	0.15	Yes	Υ		J	J	0.022	0.0089	mg/k
LT-C-053-4-6-20140221	480-55157-25	MERCURY	2/26/2014	0.083	Yes	Υ		J	J	0.023	0.0094	mg/k

Analytical Method SW7	7471B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	MERCURY	2/26/2014	0.024	Yes	Υ		J	J	0.023	0.0092	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MERCURY	2/26/2014	0.099	Yes	Υ		J	J	0.021	0.0083	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MERCURY	2/26/2014	0.014	Yes	Υ	J	J	J	0.020	0.0081	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0080	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MERCURY	2/26/2014	0.018	Yes	Υ	J	J	J	0.021	0.0084	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MERCURY	2/26/2014		Yes	N	U		U	0.022	0.0090	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MERCURY	2/26/2014	0.1	Yes	Υ				0.024	0.0096	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MERCURY	2/26/2014		Yes	N	U		U	0.022	0.0088	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MERCURY	2/26/2014	0.013	Yes	Υ	J		J	0.023	0.0092	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MERCURY	2/26/2014	0.088	Yes	Υ		J	J	0.024	0.0097	mg/kg
LT-G-027-2-4-20140221	480-55157-22	MERCURY	2/26/2014	0.016	Yes	Υ	J	J	J	0.023	0.0093	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MERCURY	2/26/2014		Yes	N	U		U	0.024	0.0098	mg/kg
Analytical Method SW	B081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801675361A	4801675361A	P,P'-DDE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	P,P'-DDD	2/26/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801675361A	4801675361A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801675361A	4801675361A	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801675361A	4801675361A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
40040750044	4801675361A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801675361A												
4801675361A 4801675361A	4801675361A	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l

Analytical Method	SW8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDRIN	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	P,P'-DDT	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	DIELDRIN	2/26/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801675361A	4801675361A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.010	ug/l
4801675361A	4801675361A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
4801675361A	4801675361A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
4801675361A	4801675361A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	ALDRIN	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801676141A	4801676141A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676141A	4801676141A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676141A	4801676141A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676141A	4801676141A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676141A	4801676141A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676141A	4801676141A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676141A	4801676141A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676141A	4801676141A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801676141A	4801676141A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676141A	4801676141A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		υ	1.7	0.42	ug/kg
4801676141A	4801676141A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676141A	4801676141A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676141A	4801676141A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg

Analytical Method	SW8081B											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual F	Final qual	RL	MDL	Units
4801676141A	4801676141A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.456	Yes	Υ	J		J	1.7	0.22	ug/kg
4801676141A	4801676141A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676141A	4801676141A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		υ	1.7	0.18	ug/kg
4801676141A	4801676141A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801676141A	4801676141A	ALPHA CHLORDANE	2/27/2014		Yes	N	υ		U	1.7	0.82	ug/kg
4801676141A	4801676141A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676141A	4801676141A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801676141A	4801676141A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676171A	4801676171A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801676171A	4801676171A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676171A	4801676171A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	υ		U	1.7	0.31	ug/kg
4801676171A	4801676171A	ALDRIN	2/27/2014		Yes	N	υ		U	1.7	0.41	ug/kg
4801676171A	4801676171A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676171A	4801676171A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801676171A	4801676171A	TOXAPHENE	2/27/2014		Yes	N	υ		U	17	9.6	ug/kg
4801676171A	4801676171A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676171A	4801676171A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801676171A	4801676171A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676171A	4801676171A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	υ		U	1.7	0.42	ug/kg
4801676171A	48016 7 6171A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676171A	4801676171A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676171A	4801676171A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg

Analytical Method	SW8081B											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
4801676171A	4801676171A	P,P'-DDT	2/27/2014		Yes	N	υ		U	1.7	0.17	ug/kg
4801676171A	4801676171A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676171A	4801676171A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676171A	4801676171A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676171A	4801676171A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676171A	48016 7 6171A	ENDRIN KETONE	2/27/2014		Yes	N	U		υ	1.7	0.41	ug/kg
4801676171A	4801676171A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678121A	4801678121A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678121A	4801678121A	GAMMA CHLORDANE	2/27/2014	0.641	Yes	Υ	J		J	1.7	0.52	ug/kg
4801678121A	4801678121A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801678121A	4801678121A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678121A	4801678121A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678121A	4801678121A	P,P'-DDD	2/27/2014		Yes	N.	U		U	1.7	0.32	ug/kg
4801678121A	4801678121A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678121A	4801678121A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678121A	4801678121A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801678121A	4801678121A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801678121A	4801678121A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678121A	4801678121A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678121A	4801678121A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801678121A	4801678121A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.57	Yes	Υ	J		J	1.7	0.22	ug/kg
4801678121A	4801678121A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678121A	4801678121A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801678121A	4801678121A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg

Analytical Method	SW8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678121A	4801678121A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678121A	4801678121A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678121A	4801678121A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678121A	4801678121A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678131A	4801678131A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678131A	4801678131A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678131A	4801678131A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801678131A	4801678131A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678131A	4801678131A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801678131A	4801678131A	P,P'-DDE	2/27/2014		Yes	N	U		υ	1.7	0.25	ug/kg
4801678131A	4801678131A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678131A	4801678131A	TOXAPHENE	2/27/2014		Yes	N	U		υ	17	9.6	ug/kg
4801678131A	4801678131A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678131A	4801678131A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678131A	4801678131A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678131A	4801678131A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678131A	4801678131A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	. ug/kg
4801678131A	4801678131A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801678131A	4801678131A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801678131A	4801678131A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678131A	4801678131A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678131A	4801678131A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678131A	4801678131A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678131A	4801678131A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678131A	4801678131A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN KETONE	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-0-2-20140221	480-55157-1	GAMMA CHLORDANE	2/27/2014	50	Yes	Υ	BJ		J	90	28	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-048-0-2-20140221	480-55157-1	METHOXYCHLOR	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDE	2/27/2014	31	Yes	Υ	J		J	90	13	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-0-2-20140221	480-55157-1	TOXAPHENE	2/27/2014		Yes	N	U		υ	900	520	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDT	2/27/2014		Yes	N	U		U	90	9.1	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDD	2/27/2014		Yes	N	U		υ	90	17	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIELDRIN	2/27/2014		Yes	N	U		υ	90	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDD	2/27/2014	29	Yes	Υ	J		J	90	18	ug/kg

Analytical Method SW8	081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	TOXAPHENE	2/27/2014		Yes	N	U		U	900	520	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDT	2/27/2014	39	Yes	Υ	J		J	90	9.2	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDE	2/27/2014	22	Yes	Υ	J		J	90	14	ug/kg
CC-C-048-4-6-20140221	480-55157-3	METHOXYCHLOR	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-048-4-6-20140221	480-55157-3	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	90	29	ug/kg
CC-C-048-4-6-20140221	480-55157-3	GAMMA BHC (LINDANE)	2/27/2014	24	Yes	Υ	J		J	90	11	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIELDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDRIN KETONE	2/27/2014		Yes	Ν	U		U	90	22	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	TOXAPHENE	2/27/2014		Yes	N	U		U	940	540	ug/kg

Analytical Method SW8	081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDT	2/27/2014	52	Yes	Υ	J	J	J	94	9.5	ug/kg
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDE	2/27/2014	26	Yes	Υ	J		J	94	14	ug/kg
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDD	2/27/2014	98	Yes	Υ				94	18	ug/kg
CC-C-048-8-10-20140221	480-55157-4	METHOXYCHLOR	2/27/2014		Yes	N	U		U	94	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	94	24	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEPTACHLOR	2/27/2014		Yes	N	U		U	94	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	GAMMA CHLORDANE	2/27/2014	46	Yes	Υ	ВЈ		J	94	30	ug/kg
CC-C-048-8-10-20140221	480-55157-4	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN KETONE	2/27/2014		Yes	N	U		U	94	23	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	94	24	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN	2/27/2014		Yes	N	U		U	94	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIELDRIN	2/27/2014		Yes	N	U		υ	94	22	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	94	47	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALDRIN	2/27/2014		Yes	N	U		U	94	23	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEPTACHLOR	2/27/2014		Yes	N	U		U	110	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	110	19	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIELDRIN	2/27/2014		Yes	N	U		U	110	25	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN	2/27/2014		Yes	N	U		U	110	15	ug/kg
CC-C-049-0-2-20140221	480-55157-5	TOXAPHENE	2/27/2014		Yes	N	U		U	1100	610	ug/kg
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDT	2/27/2014	44	Yes	Υ	J		j	110	11	ug/kg

Analytical Method SW8	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDE	2/27/2014		Yes	N	U		U	110	16	ug/kg
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDD	2/27/2014	27	Yes	Υ	J		J	110	20	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	110	27	ug/kg
CC-C-049-0-2-20140221	480-55157-5	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	110	34	ug/kg
CC-C-049-0-2-20140221	480-55157-5	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	110	13	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN KETONE	2/27/2014		Yes	N	U		U	110	26	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	110	27	ug/kg
CC-C-049-0-2-20140221	480-55157-5	METHOXYCHLOR	2/27/2014		Yes	N	U		U	110	15	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	110	53	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	110	20	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	19	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALDRIN	2/27/2014		Yes	N	U		U	110	26	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	110	13	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	92	24	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIELDRIN	2/27/2014		Yes	N	U		U	92	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN	2/27/2014		Yes	Ν	U		U	92	13	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	92	24	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN KETONE	2/27/2014		Yes	N	U		U	92	23	ug/kg
CC-C-049-2-4-20140221	480-55157-6	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	92	11	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	HEPTACHLOR	2/27/2014		Yes	N	U		U	92	14	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	92	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	METHOXYCHLOR	2/27/2014		Yes	N	U		U	92	13	ug/kg
CC-C-049-2-4-20140221	J 480-55157 - 6	P,P'-DDD	2/27/2014	54	Yes	Υ	J		J	92	18	ug/kg
CC-C-049-2-4-20140221	480-55157-6	P,P'-DDE	2/27/2014	22	Yes	Υ	J		J	92	14	ug/kg
CC-C-049-2-4-20140221	480-55157-6	P,P'-DDT	2/27/2014	39	Yes	Υ	J		J	92	9.4	ug/kg
CC-C-049-2-4-20140221	480-55157-6	TOXAPHENE	2/27/2014		Yes	N	U		U	920	540	ug/kg
CC-C-049-2-4-20140221	480-55157-6	GAMMA CHLORDANE	2/27/2014	42	Yes	Υ	BJ		J ,	92	29	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	92	46	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALDRIN	2/27/2014		Yes	N	U		U	92	23	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	10	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-8-10-20140221	480-55157-7	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	19	6.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	19	3.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	2.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIELDRIN	2/27/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	2.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN	2/27/2014		Yes	Ν	U		U	19	2.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	19	2.3	ug/kg

Analytical Method SW8	081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-8-10-20140221	480-55157-7	HEPTACHLOR	2/27/2014		Yes	N	U		U	19	2.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	METHOXYCHLOR	2/27/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDE	2/27/2014	8.5	Yes	Υ	J		J	19	2.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDT	2/27/2014		Yes	N	υ		U	19	1.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	TOXAPHENE	2/27/2014		Yes	N	U		U	190	110	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN KETONE	2/27/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDD	2/27/2014	18	Yes	Υ	J		J	19	3.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	19	9.3	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	3.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALDRIN	2/27/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA ENDOSULFAN	2/27/2014		Yes	Ν	U		υ	19	2.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIELDRIN	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	91	17	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDRIN	2/27/2014		Yes	N	U		U	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	91	23	ug/kg
CC-C-050-0-2-20140221	480-55157 - 8	ENDRIN KETONE	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	91	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	GAMMA CHLORDANE	2/27/2014	31	Yes	Υ	BJ		J	91	29	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	27	Yes	Υ	BJ		J	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		υ	91	23	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	91	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	METHOXYCHLOR	2/27/2014		Yes	N	U		U	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDD	2/27/2014	21	Yes	Υ	J		J	91	18	ug/kg
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDE	2/27/2014	21	Yes	Υ	J		J	91	14	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDT	2/27/2014	46	Yes	Υ	J		J	91	9.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	TOXAPHENE	2/27/2014		Yes	N	U		U	910	530	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEPTACHLOR	2/27/2014		Yes	N	U		U	91	14	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA CHLORDANE	2/27/2014		Yes	N	U		υ	91	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	91	16	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALDRIN	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	91	9.8	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	91	16	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.25	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
CC-C-050-2-4-20140221	480-55157-9	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDT	2/27/2014	0.98	Yes	Υ	J	U	U	1.9	0.20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDE	2/27/2014		Yes	N	U		U	1.9	0.29	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDD	2/27/2014	0.78	Yes	Υ	J	J	J	1.9	0.37	ug/kg
CC-C-050-2-4-20140221	480-55157-9	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
CC-C-050-2-4-20140221	480-55157-9	GAMMA CHLORDANE	2/27/2014	1	Yes	Υ	J		J	1.9	0.61	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
CC-C-050-2-4-20140221	480-55157-9	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		υ	1.9	0.24	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg

Analytical Method SW	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.95	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.64	Yes	Υ	BJ	U	U	1.9	0.25	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
CC-C-050-8-10-20140221	480-5515 7- 10	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
CC-C-050-8-10-20140221	480-55157-10	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-050-8-10-20140221	480-55157-10	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDD	2/27/2014	1.4	Yes	Υ	J		J	1.9	0.37	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDE	2/27/2014	1.6	Yes	Υ	J		J	1.9	0.29	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDT	2/27/2014	1.9	Yes	Υ				1.9	0.20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	GAMMA CHLORDANE	2/27/2014	1	Yes	Υ	BJ	U	U	1.9	0.61	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALPHA CHLORDANE	2/27/2014		Yes	N	υ		υ	1.9	0.96	ug/kg

Analytical Method SW	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDD	2/27/2014		Yes	N	U		U	90	18	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIELDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	TOXAPHENE	2/27/2014		Yes	N	U		U	900	520	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDE	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-051-0-2-20140221	480-55157-12	METHOXYCHLOR	2/27/2014		Yes	N	υ		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-051-0-2-20140221	480-55157-12	GAMMA CHLORDANE	2/27/2014	30	Yes	Υ	BJ		J	90	29	ug/kg
CC-C-051-0-2-20140221	480-55157-12	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN KETONE	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg

Analytical Method SW	3081B			,,								
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
CC-C-051-0-2-20140221	480-55157-12	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDT	2/27/2014	37	Yes	Υ	J	U	U	90	9.2	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN KETONE	2/27/2014		Yes	N	U		U	93	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN	2/27/2014		Yes	N	U		U	93	13	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIELDRIN	2/27/2014		Yes	N	U		U	93	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	TOXAPHENE	2/27/2014		Yes	N	U		U	930	540	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDE	2/27/2014	20	Yes	Υ	J		J	93	14	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALDRIN	2/27/2014		Yes	N	U		U	93	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDD	2/27/2014	25	Yes	Υ	J		J	93	18	ug/kg
CC-C-051-2-4-20140221	480-55157-13	METHOXYCHLOR	2/27/2014		Yes	N	U		U	93	13	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEPTACHLOR	2/27/2014		Yes	N	U		U	93	15	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	10	ug/kg
CC-C-051-2-4-20140221	480-55157-13	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	93	11	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA CHLORDANE	2/27/2014		Yes	N	U		υ	93	46	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDT	2/27/2014	42	Yes	Υ	J		j	93	9.5	ug/kg
CC-C-051-2-4-20140221	480-55157-13	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	93	30	ug/kg
CC-C-051-8-10-20140221	480-55157-14	GAMMA CHLORDANE	2/27/2014	25	Yes	Υ	BJ		J	39	12	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	39	6.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	39	4.8	ug/kg
CC-C-051-8-10-20140221	480-5515 7-1 4	ENDRIN KETONE	2/27/2014		Yes	N	U		U	39	9.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEPTACHLOR	2/27/2014		Yes	N	U		U	39	6.0	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	39	9.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	METHOXYCHLOR	2/27/2014		Yes	N	U		U	39	5.3	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDD	2/27/2014	29	Yes	Υ	J		J	39	7.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	39	9.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDRIN	2/27/2014		Yes	N	U		U	39	5.3	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	39	7.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDE	2/27/2014	16	Yes	Υ	J		J	39	5.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	TOXAPHENE	2/27/2014		Yes	N	U		υ	390	220	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDT	2/27/2014	22	Yes	Υ	J		J	39	3.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	39	6.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALPHA CHLORDANE	2/27/2014	19	Yes	Υ	J		J	39	19	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALPHA ENDOSULFAN	2/27/2014		Yes	N	Ü		U	39	4.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIELDRIN	2/27/2014	11	Yes	Υ	J		J	39	9.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	39	4.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALDRIN	2/27/2014		Yes	N	U		υ	39	9.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	8.7	Yes	Υ	BJ		J	39	5.1	ug/kg
CC-C-052-0-2-20140221	480-55157 -1 5	HEPTACHLOR	2/27/2014		Yes	N	U		υ	37	5.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDD	2/27/2014		Yes	N	U		U	37	7.1	ug/kg
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDE	2/27/2014	8.5	Yes	Υ	j		J	37	5.5	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALDRIN	2/27/2014		Yes	N	U		U	37	9.0	ug/kg

Analytical Method SW	8081B										
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val (Qual Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDT	2/27/2014		Yes	N	U	U	37	3.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	TOXAPHENE	2/27/2014		Yes	N	U	U	370	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	U	37	4.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN	2/27/2014		Yes	N	U	U	37	5.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	37	6.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	37	9.4	ug/kg
CC-C-052-0-2-20140221	480-55157-15	METHOXYCHLOR	2/27/2014		Yes	N	U	U	37	5.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	GAMMA CHLORDANE	2/27/2014		Yes	N	U	U	37	12	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIELDRIN	2/27/2014		Yes	N	U	U	37	8.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	37	4.8	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BETA ENDOSULFAN	2/27/2014		Yes	N	U	U	37	6.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA CHLORDANE	2/27/2014		Yes	N	U	U	37	18	ug/kg
CC-C-052-0-2-20140221	480-55157-15	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	37	4.5	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN KETONE	2/27/2014		Yes	N	U	U	37	9.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	U	37	9.3	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	37	3.9	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	37	6.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	TOXAPHENE	2/27/2014		Yes	N	U	U	370	220	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDT	2/27/2014	18	Yes	Υ	J	J	37	3.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDE	2/27/2014	14	Yes	Υ	J	J	37	5.5	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	37	9.5	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIELDRIN	2/27/2014		Yes	N	U	U	37	8.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	37	6.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDRIN	2/27/2014		Yes	N	U	U	37	5.1	ug/kg

Analytical Method SW8	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	37	9.4	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDRIN KETONE	2/27/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	37	4.6	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEPTACHLOR	2/27/2014		Yes	N	U		U	37	5.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALDRIN	2/27/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDD	2/27/2014	15	Yes	Υ	J		J	37	7.2	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	13	Yes	Υ	BJ		J	37	4.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	37	18	ug/kg
CC-C-052-2-4-20140221	480-55157-16	METHOXYCHLOR	2/27/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	37	12	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		υ	9.9	1.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIELDRIN	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN	2/27/2014		Yes	N	U		U	9.9	1.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	9.9	2.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.9	1.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	9.9	4.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALDRIN	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg

Analytical Method SW8	3081B				· · · · · · · · · · · · · · · · · · ·							
Sample ID	Lab Sample 10	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	TOXAPHENE	2/27/2014		Yes	N	U		U	99	58	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDT	2/27/2014		Yes	N	U		υ	9.9	1.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	9.9	3.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.9	1.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDE	2/27/2014		Yes	N	U		U	9.9	1.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEPTACHLOR	2/27/2014		Yes	N	U		U	9.9	1.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	9.9	1.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN KETONE	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	9.9	2.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	METHOXYCHLOR	2/27/2014		Yes	N	U		U	9.9	1.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDD	2/27/2014		Yes	N	U		U	9.9	1.9	ug/kg
dup027-20140221	480-55157-11	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	2.0	0.98	ug/kg
dup027-20140221	480-55157-11	HEPTACHLOR	2/27/2014		Yes	N	U		U	2.0	0.31	ug/kg
dup027-20140221	480-55157-11	ENDOSULFAN SULFATE	2/27/2014		Yes	N	υ		U	2.0	0.37	ug/kg
dup027-20140221	480-55157-11	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	2.0	0.24	ug/kg
dup027-20140221	480-55157-11	ENDRIN KETONE	2/27/2014		Yes	N	U		U	2.0	0.48	ug/kg
dup027-20140221	480-55157-11	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		υ	2.0	0.50	ug/kg
dup027-20140221	480-55157-11	ENDRIN	2/27/2014	0.7	Yes	Υ	J		J	2.0	0.27	ug/kg
dup027-20140221	480-55157-11	GAMMA CHLORDANE	2/27/2014	1.4	Yes	Υ	BJ	U	U	2.0	0.63	ug/kg
dup027-20140221	480-55157-11	DIELDRIN	2/27/2014	1	Yes	Υ	J		J	2.0	0.47	ug/kg
dup027-20140221	480-55157-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.77	Yes	Υ	ВЈ	U	U	2.0	0.26	ug/kg
dup027-20140221	480-55157-11	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	2.0	0.35	ug/kg
dup027-20140221	480-55157-11	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	2.0	0.25	ug/kg

Analytical Method	SW8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val (Qual Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	2.0	0.35	ug/kg
dup027-20140221	480-55157-11	ALDRIN	2/27/2014		Yes	N	U	U	2.0	0.48	ug/kg
dup027-20140221	480-55157-11	P,P'-DDT	2/27/2014	4.9	Yes	Υ			2.0	0.20	ug/kg
dup027-20140221	480-55157-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	· U	2.0	0.21	ug/kg
dup027-20140221	480-55157-11	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	2.0	0.51	ug/kg
dup027-20140221	480-55157-11	TOXAPHENE	2/27/2014		Yes	N	U	U	20	11	ug/kg
dup027-20140221	480-55157-11	P,P'-DDE	2/27/2014	1.8	Yes	Υ	J	J	2.0	0.30	ug/kg
dup027-20140221	480-55157-11	P,P'-DDD	2/27/2014	0.69	Yes	Υ	J	J	2.0	0.38	ug/kg
dup027-20140221	480-55157-11	METHOXYCHLOR	2/27/2014	2.8	Yes	Υ			2.0	0.27	ug/kg
FB028-20140221	480-55157-32	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	υ	0.053	0.0070	ug/l
FB028-20140221	480-55157-32	ENDRIN KETONE	2/26/2014		Yes	N	U	U	0.053	0.013	ug/l
FB028-20140221	480-55157-32	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U	U	0.053	0.0063	ug/l
FB028-20140221	480-55157-32	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U	U	0.053	0.017	ug/l
FB028-20140221	480-55157-32	HEPTACHLOR	2/26/2014		Yes	N	U	U	0.053	0.0090	ug/l
FB028-20140221	480-55157-32	BETA ENDOSULFAN	2/26/2014		Yes	N	U	U	0.053	0.013	ug/l
FB028-20140221	480-55157-32	GAMMA CHLORDANE	2/26/2014		Yes	N	U	U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	U	0.053	0.026	ug/l
FB028-20140221	480-55157-32	ALPHA CHLORDANE	2/26/2014		Yes	N	U	U	0.053	0.016	ug/l
FB028-20140221	480-55157-32	ALDRIN	2/26/2014		Yes	N	υ	U	0.053	0.0070	ug/l
FB028-20140221	480-55157-32	P,P'-DDE	2/26/2014		Yes	N	U	U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U	U	0.053	0.0056	ug/l
FB028-20140221	480-55157-32	METHOXYCHLOR	2/26/2014		Yes	N	U	υ	0.053	0.015	ug/l
FB028-20140221	480-55157-32	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U	U	0.053	0.012	ug/l

Analytical Method SW	/8081B					=-					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Va	il Qual Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	P,P'-DDD	2/26/2014		Yes	N	υ	U	0.053	0.0097	ug/l
FB028-20140221	480-55157-32	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U	U	0.053	0.011	ug/l
FB028-20140221	480-55157-32	P,P'-DDT	2/26/2014		Yes	N	υ	U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	TOXAPHENE	2/26/2014		Yes	N	U	U	0.53	0.13	ug/l
FB028-20140221	480-55157-32	ENDRIN	2/26/2014		Yes	N	U	U	0.053	0.015	ug/l
FB028-20140221	480-55157-32	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U	U	0.053	0.017	ug/l
FB028-20140221	480-55157-32	DIELDRIN	2/26/2014		Yes	N	υ	U	0.053	0.010	ug/l
LT-C-053-0-2-20140221	480-55157-24	ENDRIN KETONE	2/27/2014		Yes	N	U	U	93	23	ug/kg
LT-C-053-0-2-20140221	480-55157-24	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	93	11	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDT	2/27/2014	50	Yes	Υ	J	J	93	9.4	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEPTACHLOR	2/27/2014		Yes	N	U	U	93	14	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	93	24	ug/kg
LT-C-053-0-2-20140221	480-55157-24	METHOXYCHLOR	2/27/2014		Yes	N	U	U	93	13	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDD	2/27/2014	35	Yes	Υ	J	J	93	18	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDE	2/27/2014	42	Yes	Υ	J	J	93	14	ug/kg
LT-C-053-0-2-20140221	480-55157-24	GAMMA CHLORDANE	2/27/2014		Yes	N	U	U	93	29	ug/kg
LT-C-053-0-2-20140221	480-55157-24	TOXAPHENE	2/27/2014		Yes	N	U	U	930	540	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDRIN	2/27/2014		Yes	N	U	U	93	13	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	93	17	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIELDRIN	2/27/2014		Yes	N	U	U	93	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	93	12	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BETA ENDOSULFAN	2/27/2014		Yes	N	U	U	93	17	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	93	10	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	U	93	12	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Re</u> sult	Report	<u>Detect</u>	Lab Qual	Val Qual Fir	nal qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	ALPHA CHLORDANE	2/27/2014		Yes	N	U	ţ	J	93	46	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALDRIN	2/27/2014		Yes	N	U	ι	j	93	23	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	l	j	93	24	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	l	J	93	17	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN KETONE	2/27/2014		Yes	Ν	U	l	J	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	ţ	J	9.8	1.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALDRIN	2/27/2014		Yes	N	U	l	J	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	ŧ	J	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA CHLORDANE	2/27/2014		Yes	N	U	l	J	9.8	4.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	t	J	9.8	1.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BETA ENDOSULFAN	2/27/2014		Yes	N	U	ţ	J	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	ι	J	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIELDRIN	2/27/2014		Yes	N	U	į	J	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	ι	J	9.8	2.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	TOXAPHENE	2/27/2014		Yes	N	. U	ı	J	98	57	ug/kg
LT-C-053-4-6-20140221	480-55157-25	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	Į	J	9.8	1.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	GAMMA CHLORDANE	2/27/2014		Yes	N	U	ı	J	9.8	3.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEPTACHLOR	2/27/2014		Yes	N	U	ı	J	9.8	1.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	ţ	J	9.8	2.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	METHOXYCHLOR	2/27/2014		Yes	N	U	I	J	9.8	1.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDD	2/27/2014		Yes	N	U	I	J	9.8	1.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDE	2/27/2014	3	Yes	Υ	J		J	9.8	1.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDT	2/27/2014		Yes	N	U	;	J	9.8	1.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN	2/27/2014		Yes	N	Ų	ı	J	9.8	1.4	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.8	1.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDT	2/27/2014		Yes	N	U		U	18	1.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA CHLORDANE	2/27/2014		Yes	N	U	•	U	18	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	TOXAPHENE	2/27/2014		Yes	N	U	UJ	UJ	180	110	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDE	2/27/2014		Yes	N	U		U	18	2.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDD	2/27/2014		Yes	N	U		υ	18	3.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	METHOXYCHLOR	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	GAMMA CHLORDANE	2/27/2014		Yes	N	υ		U	18	5.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-053-6-8-20140221	480 - 55157-26	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-054-0-2-20140221	480-55157 - 27	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	18	9.1	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	METHOXYCHLOR	2/27/2014	9	Yes	Υ	J		J	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDD	2/27/2014	6.2	Yes	Υ	J		J	18	3.6	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDE	2/27/2014	8.6	Yes	Υ	J		J	18	2.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDT	2/27/2014	10	Yes	Υ	J		J	18	1.9	ug/kg
LT-C-054-0-2-20140221	480-55157-27	TOXAPHENE	2/27/2014		Yes	N	U		U	180	110	ug/kg
LT-C-054-0-2-20140221	480-55157-27	GAMMA CHLORDANE	2/27/2014	7	Yes	Υ	J		J	18	5.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDE	2/27/2014	0.53	Yes	Υ	J		J	1.8	0.27	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALDRIN	2/27/2014		Yes	N	U		υ	1.8	0.44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	TOXAPHENE	2/27/2014		Yes	N	U		υ	18	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDT	2/27/2014	0.7	Yes	Υ	J		J	1.8	0.18	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEPTACHLOR	2/27/2014		Yes	N	Ü		U	1.8	0.28	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIELDRIN	2/27/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDD	2/27/2014		Yes	N	υ		U	1.8	0.35	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-C-054-2-4-20140221	480-55157-28	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-C-054-2-4-20140221	480-55157-28	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-C-057-0-2-20140221	480-55157-29	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	8.9	2.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA ENDOSULFAN	2/27/2014	,	Yes	N	U		U	8.9	1.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	8.9	0.96	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	8.9	1.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIELDRIN	2/27/2014		Yes	N	U		υ	8.9	2.1	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	8.9	1.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN	2/27/2014		Yes	N	U	U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	U	8.9	2.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA CHLORDANE	2/27/2014		Yes	N	U	U	8.9	4.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	8.9	1.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDT	2/27/2014	3.6	Yes	Υ	J	J	8.9	0.91	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEPTACHLOR	2/27/2014		Yes	N	U	U	8.9	1.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	υ	U	8.9	2.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	METHOXYCHLOR	2/27/2014		Yes	N	U	U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDD	2/27/2014		Yes	N	U	U	8.9	1.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDE	2/27/2014	2.4	Yes	Υ	J	J	8.9	1.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	TOXAPHENE	2/27/2014		Yes	N	U	υ	89	52	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	Ü	8.9	1.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN KETONE	2/27/2014		Yes	N	U	U	8.9	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALDRIN	2/27/2014		Yes	N	U	U	8.9	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	TOXAPHENE	2/27/2014		Yes	N	U	U	19	11	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	U	1.9	0.48	ug/kg
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDT	2/27/2014	0.74	Yes	Υ	J	J	1.9	0.19	ug/kg
LT-C-057-2-4-20140221	480-55157-30	METHOXYCHLOR	2/27/2014	0.98	Yes	Υ	J	J	1.9	0.26	ug/kg
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDD	2/27/2014		Yes	N	U	U	1.9	0.36	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN KETONE	2/27/2014		Yes	N	U	U	1.9	0.46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	1.9	0.48	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN	2/27/2014		Yes	N	U	U	1.9	0.26	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEPTACHLOR	2/27/2014		Yes	N	U	U	1.9	0.29	ug/kg

Analytical Method SW	8081B	·									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qu	al Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDE	2/27/2014		Yes	N	U	U	1.9	0.28	ug/kg
LT-C-057-2-4-20140221	480-55157-30	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	1.9	0.23	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	1.9	0.35	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIELDRIN	2/27/2014		Yes	N	U	U	1.9	0.45	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	1.9	0.25	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BETA ENDOSULFAN	2/27/2014		Yes	N	U	U	1.9	0.34	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	1.9	0.20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	U	1.9	0.24	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA CHLORDANE	2/27/2014		Yes	N	U	U	1.9	0.93	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	1.9	0.34	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALDRIN	2/27/2014		Yes	N	υ	U	1.9	0.46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	GAMMA CHLORDANE	2/27/2014		Yes	N	U	U	1.9	0.60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	9.2	0.99	ug/kg
LT-C-057-6-8-20140221	480-55157-31	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	9.2	1.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALDRIN	2/27/2014		Yes	N	U	U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BETA ENDOSULFAN	2/27/2014		Yes	N	U	U	9.2	1.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	U	9.2	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA CHLORDANE	2/27/2014		Yes	N	U	U	9.2	4.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	9.2	1.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	9.2	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	9.2	1.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	P,P'-DDE	2/27/2014	2.7	Yes	Υ	J	J	9.2	1.4	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	P,P'-DDD	2/27/2014	2.5	Yes	Υ	J		J	9.2	1.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	METHOXYCHLOR	2/27/2014		Yes	N	U		U	9.2	1.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	9.2	2.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIELDRIN	2/27/2014		Yes	N	U		U	9.2	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	TOXAPHENE	2/27/2014		Yes	N	U		U	92	53	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEPTACHLOR	2/27/2014		Yes	N	υ		U	9.2	1.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	9.2	2.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN	2/27/2014		Yes	N	U		U	9.2	1.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN KETONE	2/27/2014		Yes	N	U		U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157 - 31	P,P'-DDT	2/27/2014		Yes	N	U		U	9.2	0.93	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	41	7.5	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	41	7.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALDRIN	2/27/2014		Yes	N	U		U	41	9.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	41	20	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	41	5.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	41	4.4	ug/kg
LT-G-026-0-2-20140221	480-55157-18	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	41	13	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	41	10	ug/kg
LT-G-026-0-2-20140221	480-55157-18	METHOXYCHLOR	2/27/2014		Yes	Ν	U		U	41	5.6	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDD	2/27/2014		Yes	N	υ		U	41	7.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDE	2/27/2014		Yes	N	U		U	41	6.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDT	2/27/2014		Yes	N	U		U	41	4.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N 	U		U	41	5.3	ug/kg

Analytical Method SW	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	TOXAPHENE	2/27/2014		Yes	N	U		U	410	240	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	41	7.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	41	5.0	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN KETONE	2/27/2014		Yes	N	U		U	41	9.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	41	10	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN	2/27/2014		Yes	N	U		U	41	5.6	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEPTACHLOR	2/27/2014		Yes	N	U		U	41	6.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIELDRIN	2/27/2014		Yes	N	U		U	41	9.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.8	0.29	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.8	0.24	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIELDRIN	2/27/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDRIN	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-026-4-6-20140221	480-55157-19	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-026-4-6-20140221	480-55157-19	P,P'-DDT	2/27/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.8	0.48	ug/kg
LT-G-026-4-6-20140221	480-55157-19	METHOXYCHLOR	2/27/2014		Yes	N	U		υ	1.8	0.25	ug/kg
LT-G-026-4-6-20140221	480 - 55157-19	P,P'-DDD	2/27/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-G-026-4-6-20140221	480-55157-19	P,P'-DDE	2/27/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-026-4-6-20140221	480-55157-19	TOXAPHENE	2/27/2014		Yes	N	U		U	18	11	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.8	0.33	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALDRIN	2/27/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.92	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDE	2/27/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.9	0.25	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.9	0.20	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA ENDOSULFAN	2/27/2014		Yes	Ν	U		U	1.9	0.24	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.94	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.9	0.34	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDT	2/27/2014		Yes	N	U		U	1.9	0.19	ug/kg
LT-G-026-6-8-20140221	480-55157-20	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.60	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-026-6-8-20140221	480-55157-20	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEPTACHLOR	2/27/2014		Yes	N	υ		U	1.9	0.30	ug/kg
LT-G-026-6-8-20140221	480-55157-20	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDD	2/27/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDD	2/27/2014		Yes	N	U		U	1.9	0.38	ug/kg
LT-G-027-0-2-20140221	480-55157-21	METHOXYCHLOR	2/27/2014	1	Yes	Υ	J		J	1.9	0.27	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ		U	1.9	0.35	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.97	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDT	2/27/2014	0.67	Yes	Υ	J		J	1.9	0.20	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		υ	1.9	0.36	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	GAMMA BHC (LINDANE)	2/27/2014	0.72	Yes	Υ	J		J	1.9	0.24	ug/kg
LT-G-027-0-2-20140221	480-55157-21	GAMMA CHLORDANE	2/27/2014	1.1	Yes	Υ	BJ	U	U	1.9	0.62	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDE	2/27/2014	0.92	Yes	Υ	j		J	1.9	0.29	ug/kg

Analytical Method SW	3081B									-	_	
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.6	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	18	9.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	TOXAPHENE	2/27/2014		Yes	Ν	U	UJ	ΠΊ	180	110	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		υ	18	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	GAMMA CHLORDANE	2/27/2014		Yes	N	υ		U	18	5.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	METHOXYCHLOR	2/27/2014		Yes	N	υ		U	18	2.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDD	2/27/2014		Yes	N	U		U	18	3.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDE	2/27/2014	6.4	Yes	Υ	J	J	J	18	2.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDT	2/27/2014		Yes	N	U		U	18	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDE	2/27/2014		Yes	N	U		υ	11	1.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	11	2.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	TOXAPHENE	2/27/2014		Yes	N	U		U	110	63	ug/kg

Analytical Method SW8	3081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Fin	al qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDT	2/27/2014		Yes	N	U	ι	J	11	1.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	Ų	J	11	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDD	2/27/2014		Yes	N	U	ι	J	11	2.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALDRIN	2/27/2014		Yes	N	U	ι	J	11	2.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA CHLORDANE	2/27/2014		Yes	N	Ü	ι	J	11	5.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	ι	J	11	1.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BETA ENDOSULFAN	2/27/2014		Yes	N	U	ι	J	11	1.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	υ	ι	J	11	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIELDRIN	2/27/2014		Yes	N	U	ι	J	11	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	ι	J	11	2.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	ι	J	11	2.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN KETONE	2/27/2014		Yes	N	U	ι	J	11	2.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	ι	J	11	1.3	ug/kg
LT-G-027-8-10-20140221	480-55157-23	GAMMA CHLORDANE	2/27/2014		Yes	N	U	ι	J	11	3.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEPTACHLOR	2/27/2014		Yes	N	U	ι	J	11	1.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN	2/27/2014		Yes	N	U	ι	J	11	1.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	ι	J	11	1.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	METHOXYCHLOR	2/27/2014		Yes	N	U	ι	J	11	1.5	ug/kg
Analytical Method SW8	3260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Fin	al qual	RL	MDL	Units
4801675588	4801675588	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	υ	ι	j	1.0	0.81	ug/l
4801675588	4801675588	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U	ι	J	5.0	2.1	ug/l
4801675588	4801675588	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U	į.	J	10	1.3	ug/l

Analytical Method	SW8260C										
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qu	ıal Final qual	RL	MDL	Units
4801675588	4801675588	METHYL ACETATE	2/25/2014		Yes	N	U	υ	2.5	0.50	ug/l
4801675588	4801675588	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U	υ	1.0	0.79	ug/l
4801675588	4801675588	ETHYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.74	ug/l
4801675588	4801675588	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U	U	1.0	0.68	ug/l
4801675588	4801675588	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U	U	1.0	0.32	ug/l
4801675588	4801675588	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U	U	1.0	0.36	ug/l
4801675588	4801675588	CHLOROMETHANE	2/25/2014		Yes	N	U	U	1.0	0.35	ug/l
4801675588	4801675588	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U	U	1.0	0.16	ug/l
4801675588	4801675588	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U	U	1.0	0.37	ug/l
4801675588	4801675588	CYCLOHEXANE	2/25/2014		Yes	N	U	U	1.0	0.18	ug/i
4801675588	4801675588	METHYLENE CHLORIDE	2/25/2014		Yes	N	U	U	1.0	0.44	ug/l
4801675588	4801675588	N-BUTYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.64	ug/l
4801675588	4801675588	N-PROPYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.69	ug/l
4801675588	4801675588	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.75	ug/l
4801675588	4801675588	STYRENE	2/25/2014		Yes	N	U	U	1.0	0.73	ug/l
4801675588	4801675588	T-BUTYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.81	ug/l
4801675588	4801675588	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U	U	1.0	0.16	ug/l
4801675588	4801675588	TOLUENE	2/25/2014		Yes	N	U	U	1.0	0.51	ug/l
4801675588	4801675588	CHLOROFORM	2/25/2014		Yes	N	U	U	1.0	0.34	ug/l
4801675588	4801675588	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U	U	1.0	0.88	ug/l
4801675588	4801675588	VINYL CHLORIDE	2/25/2014		Yes	N	U	U	1.0	0.90	ug/l
4801675588	4801675588	XYLENES, TOTAL	2/25/2014		Yes	N	U	U	2.0	0.66	ug/l
4801675588	4801675588	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U	U	1.0	0.90	ug/l
4801675588	4801675588	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U	U	1.0	0.36	ug/l

Analytical Method	SW8260C					_					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801675588	4801675588	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.31	ug/l
4801675588	4801675588	CHLOROETHANE	2/25/2014		Yes	N	U	υ	1.0	0.32	ug/l
4801675588	4801675588	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U	U	1.0	0.46	ug/l
4801675588	4801675588	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.21	ug/l
4801675588	4801675588	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.23	ug/l
4801675588	4801675588	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.38	ug/l
4801675588	4801675588	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.82	ug/l
4801675588	4801675588	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U	U	1.0	0.29	ug/l
4801675588	4801675588	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U	U	1.0	0.41	ug/l
4801675588	4801675588	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U	U	1.0	0.75	ug/l
4801675588	4801675588	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U	U	1.0	0.39	ug/l
4801675588	4801675588	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U	U	1.0	0.73	ug/l
4801675588	4801675588	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U	U	1.0	0.79	ug/l
4801675588	4801675588	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U	U	1.0	0.21	ug/l
4801675588	4801675588	BROMODICHLOROMETHANE	2/25/2014		Yes	Ν	U	υ	1.0	0.39	ug/l
4801675588	4801675588	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U	U	1.0	0.27	ug/l
4801675588	4801675588	CHLOROBENZENE	2/25/2014		Yes	N	U	U	1.0	0.75	ug/l
4801675588	4801675588	BROMOMETHANE	2/25/2014		Yes	N	U	U	1.0	0.69	ug/l
4801675588	4801675588	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U	U	1.0	0.72	ug/i
4801675588	4801675588	BROMOFORM	2/25/2014		Yes	N	Ü	U	1.0	0.26	ug/l
4801675588	4801675588	CARBON DISULFIDE	2/25/2014		Yes	N	U	U	1.0	0.19	ug/l
4801675588	4801675588	BENZENE	2/25/2014		Yes	N	U	U	1.0	0.41	ug/l
4801675588	4801675588	ACETONE	2/25/2014		Yes	N	U	U	10	3.0	ug/l
4801675588	4801675588	2-HEXANONE	2/25/2014		Yes	N	U	U	5.0	1.2	ug/l

Analytical Method	SW8260C								-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675588	4801675588	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	40	9.3	ug/l
4801675588	4801675588	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.84	ug/l
4801675588	4801675588	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U .	1.0	0.78	ug/l
4801675588	4801675588	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	1.0	0.77	ug/l
4801675637	4801675637	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	25	1.6	ug/kg
4801675637	4801675637	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U		U	25	1.8	ug/kg
4801675637	4801675637	METHYL ACETATE	2/25/2014		Yes	Ν	U		U	5.0	0.93	ug/kg
4801675637	4801675637	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U		U	5.0	0.75	ug/kg
4801675637	4801675637	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	5.0	2.3	ug/kg
4801675637	4801675637	ETHYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/kg
4801675637	4801675637	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/kg
4801675637	4801675637	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.64	ug/kg
4801675637	4801675637	CYCLOHEXANE	2/25/2014		Yes	N	U		U	5.0	0.70	ug/kg
4801675637	4801675637	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	5.0	0.64	ug/kg
4801675637	4801675637	TOLUENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/kg
4801675637	4801675637	CHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/kg
4801675637	4801675637	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	5.0	0.72	ug/kg
4801675637	4801675637	N-PROPYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/kg
4801675637	4801675637	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/kg
4801675637	4801675637	STYRENE	2/25/2014		Yes	N	U		U	5.0	0.25	ug/kg
4801675637	4801675637	T-BUTYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.52	ug/kg
4801675637	4801675637	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	5.0	0.61	ug/kg
4801675637	4801675637	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	5.0	0.67	ug/kg
4801675637	4801675637	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	5.0	0.52	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	al Qual Fina	l qual	RL	MDL	Units
4801675637	4801675637	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U	U		5.0	2.2	ug/kg
4801675637	4801675637	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U	υ		5.0	1.1	ug/kg
4801675637	4801675637	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U	U		5.0	0.47	ug/kg
4801675637	4801675637	CHLOROFORM	2/25/2014		Yes	N	U	U		5.0	0.31	ug/kg
4801675637	4801675637	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U	U		5.0	0.76	ug/kg
4801675637	4801675637	XYLENES, TOTAL	2/25/2014		Yes	N	U	U		10	0.84	ug/kg
4801675637	4801675637	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U	U		5.0	0.49	ug/kg
4801675637	4801675637	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U	U		5.0	0.96	ug/kg
4801675637	4801675637	N-BUTYLBENZENE	2/25/2014		Yes	N	U	U		5.0	0.44	ug/kg
4801675637	4801675637	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	0.81	ug/kg
4801675637	4801675637	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/25/2014		Yes	N	U	U		5.0	1.1	ug/kg
4801675637	4801675637	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	0.65	ug/kg
4801675637	4801675637	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	0.61	ug/kg
4801675637	4801675637	CHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	1.1	ug/kg
4801675637	4801675637	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U	U		5.0	0.30	ug/kg
4801675637	4801675637	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	0.36	ug/kg
480167563 7	4801675637	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U	υ		5.0	2.5	ug/kg
4801675637	4801675637	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U	U		5.0	0.64	ug/kg
4801675637	4801675637	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U	U		5.0	0.39	ug/kg
4801675637	4801675637	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U	U		5.0	0.25	ug/kg
4801675637	4801675637	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U	U		5.0	2.5	ug/kg
4801675637	4801675637	BROMOFORM	2/25/2014		Yes	N	U	U		5.0	2.5	ug/kg
4801675637	4801675637	CHLOROBENZENE	2/25/2014		Yes	N	U	U		5.0	0.66	ug/kg
4801675637	4801675637	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U	U		5.0	0.61	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675637	4801675637	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	5.0	0.32	ug/kg
4801675637	4801675637	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	5.0	0.48	ug/kg
4801675637	4801675637	BROMOMETHANE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/kg
4801675637	4801675637	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.67	ug/kg
4801675637	4801675637	BENZENE	2/25/2014		Yes	N	U		U	5.0	0.25	ug/kg
4801675637	4801675637	ACETONE	2/25/2014		Yes	N	U		U	25	4.2	ug/kg
4801675637	4801675637	2-HEXANONE	2/25/2014		Yes	N	U		U	25	2.5	ug/kg
4801675637	4801675637	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	200	24	ug/kg
4801675637	4801675637	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.70	ug/kg
4801675637	4801675637	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.26	ug/kg
4801675637	4801675637	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	5.0	2.5	ug/kg
4801677502A	4801677502A	CHLOROFORM	2/27/2014		Yes	N	U		U	100	69	ug/kg
4801677502A	4801677502A	METHYL ETHYL KETONE (2- BUTANONE)	2/27/2014		Yes	N	U		U	500	300	ug/kg
4801677502A	4801677502A	METHYLENE CHLORIDE	2/27/2014		Yes	N	U		U	100	20	ug/kg
4801677502A	4801677502A	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U		υ	100	47	ug/kg
4801677502A	4801677502A	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/27/2014		Yes	N	U		U	500	32	ug/kg
4801677502A	4801677502A	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U		U	100	15	ug/kg
4801677502A	4801677502A	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U		U	100	44	ug/kg
4801677502A	4801677502A	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	U		U	100	48	ug/kg
4801677502A	4801677502A	CYCLOHEXANE	2/27/2014		Yes	N	U		U	100	22	ug/kg
4801677502A	4801677502A	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	CHLOROMETHANE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	N-BUTYLBENZENE	2/27/2014		Yes	N	U		Ų	100	29	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677502A	4801677502A	N-PROPYLBENZENE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	SEC-BUTYLBENZENE	2/27/2014		Yes	N	U		U	100	37	ug/kg
4801677502A	4801677502A	STYRENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	T-BUTYLBENZENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U		U	100	38	ug/kg
4801677502A	4801677502A	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U		U	100	13	ug/kg
4801677502A	4801677502A	TOLUENE	2/27/2014		Yes	N	U		U	100	27	ug/kg
4801677502A	4801677502A	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		υ	100	4.8	ug/kg
4801677502A	4801677502A	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	CHLOROETHANE	2/27/2014		Yes	N	U		U	100	21	ug/kg
4801677502A	4801677502A	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	100	34	ug/kg
4801677502A	4801677502A	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	100	41	ug/kg
4801677502A	4801677502A	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	100	47	ug/kg
4801677502A	4801677502A	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		υ	100	16	ug/kg
4801677502A	4801677502A	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	200	17	ug/kg
4801677502A	4801677502A	METHYL ACETATE	2/27/2014		Yes	N	U		U	100	48	ug/kg
4801677502A	4801677502A	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	100	16	ug/kg
4801677502A	4801677502A	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	100	21	ug/kg
4801677502A	4801677502A	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	100	31	ug/kg
4801677502A	4801677502A	1,1-DICHLOROETHENE	2/27/2014		Yes	N	U		U	100	35	ug/kg
4801677502A	4801677502A	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		υ	100	38	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample E D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677502A	4801677502A	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	100	30	ug/kg
4801677502A	4801677502A	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	CHLOROBENZENE	2/27/2014		Yes	N	U		υ	100	13	ug/kg
4801677502A	4801677502A	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	27	ug/kg
4801677502A	4801677502A	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U,		U	100	14	ug/kg
4801677502A	4801677502A	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		U	4000	2300	ug/kg
4801677502A	4801677502A	2-HEXANONE	2/27/2014		Yes	N	U		U	500	210	ug/kg
4801677502A	4801677502A	ACETONE	2/27/2014		Yes	N	U		υ	500	410	ug/kg
4801677502A	4801677502A	BENZENE	2/27/2014		Yes	N	U		U	100	4.8	ug/kg
4801677502A	4801677502A	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U		U	100	20	ug/kg
4801677502A	4801677502A	BROMOFORM	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	BROMOMETHANE	2/27/2014		Yes	N	U		U	100	22	ug/kg
4801677502A	4801677502A	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	100	46	ug/kg
4801677502A	4801677502A	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		U	100	3.8	ug/kg
4801677502A	4801677502A	ETHYLBENZENE	2/27/2014		Yes	N	U		U	100	29	ug/kg
FB028-20140221	480-55157-32	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
FB028-20140221	480-55157-32	BENZENE	2/26/2014		Yes	Ν	U		U	1.0	0.41	ug/l
FB028-20140221	480-55157-32	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
FB028-20140221	480-55157-32	CYCLOHEXANE	2/26/2014		Yes	N	U		U	1.0	0.18	ug/l
FB028-20140221	480-55157-32	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.68	ug/l
FB028-20140221	480-55157-32	ETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.74	ug/l

Analytical Method	SW8260C			-								
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual \	/al Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
FB028-20140221	480-55157-32	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U		U	1.0	0.81	ug/l
FB028-20140221	480-55157-32	CHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.35	ug/l
FB028-20140221	480-55157-32	2-HEXANONE	2/26/2014		Yes	N	U		U	5.0	1.2	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.72	ug/l
FB028-20140221	480-55157-32	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.23	ug/l
FB028-20140221	480-55157-32	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U		U	1.0	0.73	ug/l
FB028-20140221	480-55157-32	ISOPROPYLBENZENE (CUMENE)	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
FB028-20140221	480-55157-32	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U		υ	1.0	0.78	ug/l
FB028-20140221	480-55157-32	BROMOFORM	2/26/2014		Yes	N	U		U	1.0	0.26	ug/l
FB028-20140221	480-55157-32	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U		U	40	9.3	ug/l
FB028-20140221	480-55157-32	CHLOROFORM	2/26/2014		Yes	N	U		U	1.0	0.34	ug/l
FB028-20140221	480-55157-32	ACETONE	2/26/2014		Yes	N	U		U	10	3.0	ug/l
FB028-20140221	480-55157-32	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
FB028-20140221	480-55157-32	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	1.0	0.77	ug/l
FB028-20140221	480-55157-32	BROMOMETHANE	2/26/2014		Yes	N	U		U	1.0	0.69	ug/l
FB028-20140221	480-55157-32	CARBON DISULFIDE	2/26/2014		Yes	N	U		U	1.0	0.19	ug/l
FB028-20140221	480-55157-32	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.27	ug/l
FB028-20140221	480-55157-32	CHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	CHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
FB028-20140221	480-55157-32	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.84	ug/l
FB028-20140221	480-55157-32	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U		U	1.0	0.46	ug/l

Analytical Method	SW8260C				 -			-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final q	ual <u>RL</u>	MDL	Units
FB028-20140221	480-55157-32	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U	U	1.0	0.29	ug/l
FB028-20140221	480-55157-32	N-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.64	ug/l
FB028-20140221	480-55157-32	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.38	ug/l
FB028-20140221	480-55157-32	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	N-PROPYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.69	ug/l
FB028-20140221	480-55157-32	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	STYRENE	2/26/2014		Yes	N	U	U	1.0	0.73	ug/l
FB028-20140221	480-55157-32	T-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.81	ug/l
FB028-20140221	480-55157-32	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U	U	1.0	0.16	ug/l
FB028-20140221	480-55157-32	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U	υ	1.0	0.36	ug/l
FB028-20140221	480-55157-32	TOLUENE	2/26/2014		Yes	N	υ	υ	1.0	0.51	ug/l
FB028-20140221	480-55157-32	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.21	ug/l
FB028-20140221	480-55157-32	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U	U	1.0	0.37	ug/l
FB028-20140221	480-55157-32	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.82	ug/i
FB028-20140221	480-55157-32	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U	U	1.0	0.88	ug/l
FB028-20140221	480-55157-32	VINYL CHLORIDE	2/26/2014		Yes	N	U	U	1.0	0.90	ug/l
FB028-20140221	480-55157-32	XYLENES, TOTAL	2/26/2014		Yes	N	U	U	2.0	0.66	ug/l
FB028-20140221	480-55157-32	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U	U	1.0	0.41	ug/l
FB028-20140221	480-55157-32	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/26/2014		Yes	N	U,	U	1.0	0.31	ug/l
FB028-20140221	480-55157-32	METHYL ACETATE	2/26/2014		Yes	N	U	U	2.5	0.50	ug/l
FB028-20140221	480-55157-32	METHYL ETHYL KETONE (2- BUTANONE)	2/26/2014		Yes	N	U	U	10	1.3	ug/l
FB028-20140221	480-55157-32	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U	U	1.0	0.90	ug/l
FB028-20140221	480-55157-32	METHYLENE CHLORIDE	2/26/2014	0.65	Yes	Υ	J	J	1.0	0.44	ug/l
FB028-20140221	480-55157-32	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U	U	1.0	0.16	ug/l

Analytical Method SW	8260C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qu	al Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/26/2014		Yes	N	U	U	5.0	2.1	ug/l
LT-G-030-0-2-20140224	480-55157-34	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U	U	5.5	0.48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROMETHANE	2/26/2014		Yes	N	U	U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157 - 34	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U	U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U	υ	5.5	0.80	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CYCLOHEXANE	2/26/2014		Yes	N	U	U	5.5	0.78	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U	U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U	U	5.5	0.46	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ETHYLBENZENE	2/26/2014	170	Yes	Υ			5.5	0.38	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ISOPROPYLBENZENE (CUMENE)	2/26/2014	2.9	Yes	Υ	J	J	5.5	0.84	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ACETATE	2/26/2014		Yes	N	U	U	5.5	1.0	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ETHYL KETONE (2- BUTANONE)	2/26/2014		Yes	N	U	U	28	2.0	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/26/2014		Yes	N	U	U	28	1.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROFORM	2/26/2014		Yes	N	U	U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-PROPYLBENZENE	2/26/2014	1.1	Yes	Υ	J	J	5.5	0.44	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U	U	5.5	0.84	ug/kg
LT-G-030-0-2-20140224	480-55157-34	STYRENE	2/26/2014		Yes	N	U	U	5.5	0.28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	T-BUTYLBENZENE	2/26/2014		Yes	N	U	U	5.5	0.58	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U	U	5.5	0.54	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U	U	5.5	. 0.74	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TOLUENE	2/26/2014	5.4	Yes	Υ	J	J	5.5	0.42	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U	U	5.5	0.57	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U	U	5.5	2.4	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U	U	5.5	1.2	ug/kg

Analytical Method SW8	3260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.52	ug/kg
LT-G-030-0-2-20140224	480-55157-34	VINYL CHLORIDE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	XYLENES, TOTAL	2/26/2014	870	Yes	Υ				11	0.93	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLENE CHLORIDE	2/26/2014		Yes	N	U		U	5.5	2.6	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/26/2014		Yes	N	U		U	5.5	1.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-BUTYLBENZENE	2/26/2014		Yes	N	U		U	5.5	0.48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.90	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	1.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.72	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U		U	5.5	1.1	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U		U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.43	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	5.5	0.36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	5.5	0.54	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U		υ	5.5	0.40	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.73	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON DISULFIDE	2/26/2014		Yes	N	υ		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOMETHANE	2/26/2014		Yes	N	U	UJ	ΠΊ	5.5	0.50	ug/kg

Analytical Method SW	8260C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qua	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	BROMOFORM	2/26/2014		Yes	N	U	U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U	U	5.5	0.74	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ACETONE	2/26/2014	1300	No	Υ	E		28	4.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	2-HEXANONE	2/26/2014		Yes	N	U	U	28	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U	U	220	27	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U	U	5.5	0.78	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BENZENE	2/26/2014		Yes	N	U	U	5.5	0.27	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U	U	5.5	0.29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,3-DICHLOROPROPENE	2/27/2014		No	N	U	U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/27/2014		No	N	U	U	700	45	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ETHYL KETONE (2- BUTANONE)	2/27/2014		No	N	υ	U	700	420	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ACETATE	2/27/2014		No	N	U	U	140	67	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ISOPROPYLBENZENE (CUMENE)	2/27/2014		No	N	U	U	140	21	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ETHYLBENZENE	2/27/2014	350	No	Υ			140	41	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DICHLORODIFLUOROMETHANE	2/27/2014		No	N	U	U	140	61	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,2-DICHLOROETHYLENE	2/27/2014		No	N	U	U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CYCLOHEXANE	2/27/2014		No	N	U	υ	140	31	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLCYCLOHEXANE	2/27/2014		No	N	U	U	140	65	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROMETHANE	2/27/2014		No	N	U	U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,2-DICHLOROETHENE	2/27/2014		No	N	U	U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DIBROMOCHLOROMETHANE	2/27/2014		No	N	U	U	140	68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLENE CHLORIDE	2/27/2014		No	N	U	U	140	28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-BUTYLBENZENE	2/27/2014		No	N	U	U	140	41	ug/kg
LT-G-030-0-2-20140224	480-55157-34	SEC-BUTYLBENZENE	2/27/2014		No	N	U	U	140	51	ug/kg

Analytical Method SW	8260C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final q	al RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	T-BUTYLBENZENE	2/27/2014		No	N	U	U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TERT-BUTYL METHYL ETHER	2/27/2014		No	N	U	U	140	53	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TOLUENE	2/27/2014		No	N	U	U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROFORM	2/27/2014		No	N	U	U	140	96	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,3-DICHLOROPROPENE	2/27/2014		No	N	U	U	140	6.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROETHYLENE (TCE)	2/27/2014		No	N	U	U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROFLUOROMETHANE	2/27/2014		No	N	U	U	140	66	ug/kg
LT-G-030-0-2-20140224	480-55157-34	VINYL CHLORIDE	2/27/2014		No	N	U	U	140	47	ug/kg
LT-G-030-0-2-20140224	480-55157-34	XYLENES, TOTAL	2/27/2014	2100	No	Υ			280	24	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-PROPYLBENZENE	2/27/2014		No	N	U	U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TETRACHLOROETHYLENE(PCE)	2/27/2014		No	N	U	U	140	19	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/27/2014		No	N	U	U	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROETHANE	2/27/2014		No	N	U	U	140	29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	STYRENE	2/27/2014		No	N	U	U	140	34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2,2-TETRACHLOROETHANE	2/27/2014		No	N	U	U	140	23	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLOROETHANE	2/27/2014		No	N	U	U	140	29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHANE	2/27/2014		No	N	U	U	140	43	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHENE	2/27/2014		No	N	U	U	140	48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRICHLOROBENZENE	2/27/2014		No	N	U	U	140	53	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRIMETHYLBENZENE	2/27/2014		No	N	U	U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		No	N	U	U	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		No	N	U	U	140	5.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROBENZENE	2/27/2014		No	N	U	U	140	36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROETHANE	2/27/2014		No	N	U	U	140	57	ug/kg

Analytical Method SW	8260C									_		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	1,1,1-TRICHLOROETHANE	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROBENZENE	2/27/2014		No	N	U		U	140	18	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROPROPANE	2/27/2014		No	N	U		U	140	23	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON TETRACHLORIDE	2/27/2014		No	N	U		U	140	36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON DISULFIDE	2/27/2014		No	Ν	U		υ	140	64	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOMETHANE	2/27/2014		No	N	υ		U	140	31	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOFORM	2/27/2014		No	N	U		υ	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMODICHLOROMETHANE	2/27/2014		No	N	U		U	140	28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BENZENE	2/27/2014		No	N	U		U	140	6.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	2-HEXANONE	2/27/2014		No	N	U		U	700	290	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DIOXANE (P-DIOXANE)	2/27/2014		No	N	U		U	5600	3200	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DICHLOROBENZENE	2/27/2014		No	N	U		U	140	20	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3-DICHLOROBENZENE	2/27/2014		No	N	U		U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157 - 34	ACETONE	2/27/2014	1600	Yes	Υ				700	580	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		No	N	U		U	140	42	ug/kg
TB-20140221	480-55157-33	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140221	480-5515 7- 33	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U		υ	1.0	0.16	ug/l
TB-20140221	480-55157-33	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/26/2014		Yes	N	U		U	5.0	2.1	ug/l
TB-20140221	480-55157-33	METHYL ETHYL KETONE (2- BUTANONE)	2/26/2014		Yes	N	U		U	10	1.3	ug/l
TB-20140221	480-55157-33	METHYL ACETATE	2/26/2014		Yes	N	U		U	2.5	0.50	ug/l
TB-20140221	480-55157-33	ISOPROPYLBENZENE (CUMENE)	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140221	480-55157-33	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140221	480-55157-33	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140221	480-55157-33	METHYLENE CHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.44	ug/l

Analytical Method	SW8260C										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
TB-20140221	480-55157-33	CHLOROMETHANE	2/26/2014		Yes	N	U	U	1.0	0.35	ug/l
TB-20140221	480-55157-33	TOLUENE	2/26/2014		Yes	N	U	U	1.0	0.51	ug/i
TB-20140221	480-55157-33	ETHYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.74	ug/l
TB-20140221	480-55157-33	N-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.64	ug/l
TB-20140221	480-55157-33	N-PROPYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.69	ug/l
TB-20140221	480-55157-33	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.75	ug/l
TB-20140221	480-55157-33	STYRENE	2/26/2014		Yes	N	U	U	1.0	0.73	ug/l
TB-20140221	480-55157-33	T-BUTYLBENZENE	2/26/2014		Yes	N	U	U	1.0	0.81	ug/l
TB-20140221	480-55157-33	VINYL CHLORIDE	2/26/2014		Yes	N	U	U	1.0	0.90	ug/l
TB-20140221	480-55157-33	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U	U	1.0	0.36	ug/l
TB-20140221	480-55157-33	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U	U	1.0	0.90	ug/l
TB-20140221	480-55157-33	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U	U	1.0	0.37	ug/l
TB-20140221	480-55157-33	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U	υ	1.0	0.46	ug/l
TB-20140221	480-55157-33	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U	υ	1.0	0.88	ug/l
TB-20140221	480-55157-33	CHLOROFORM	2/26/2014		Yes	N	U	U	1.0	0.34	ug/l
TB-20140221	480-55157-33	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U	υ	1.0	0.81	ug/l
TB-20140221	480-55157-33	XYLENES, TOTAL	2/26/2014		Yes	N	U	U	2.0	0.66	ug/l
TB-20140221	480-55157-33	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U	U	1.0	0.16	ug/l
TB-20140221	480-55157-33	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U	U	1.0	0.29	ug/l
TB-20140221	480-55157-33	CYCLOHEXANE	2/26/2014		Yes	N	U	U	1.0	0.18	ug/l
TB-20140221	480-55157-33	CHLOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.32	ug/l
TB-20140221	480-55157-33	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.82	ug/l
TB-20140221	480-55157-33	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U	υ	1.0	0.21	ug/l
TB-20140221	480-55157-33	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/26/2014		Yes	N	U	U	1.0	0.31	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140221	480-55157-33	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.38	ug/l
TB-20140221	480-55157-33	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140221	480-55157-33	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140221	480-55157-33	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140221	480-55157-33	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U .		U	1.0	0.73	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROBENZENE	2/26/2014		Yes	Ν	U		U	1.0	0.79	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.72	ug/l
TB-20140221	480-55157-33	BROMOFORM	2/26/2014		Yes	N	U		υ	1.0	0.26	ug/l
TB-20140221	480-55157-33	CHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140221	480-55157-33	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.23	ug/l
TB-20140221	480-55157-33	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	1.0	0.77	ug/l
TB-20140221	480-55157-33	CARBON DISULFIDE	2/26/2014		Yes	N	U		U	1.0	0.19	ug/l
TB-20140221	480-55157-33	BROMOMETHANE	2/26/2014		Yes	N	U		υ	1.0	0.69	ug/l
TB-20140221	480-55157-33	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.27	ug/l
TB-20140221	480-55157-33	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140221	480-55157-33	BENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140221	480-55157-33	ACETONE	2/26/2014	6.7	Yes	Υ	J		J	10	3.0	ug/l
TB-20140221	480-55157-33	2-HEXANONE	2/26/2014		Yes	N	U		U	5.0	1.2	ug/l
TB-20140221	480-55157-33	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U		U	40	9.3	ug/l
TB-20140221	480-55157-33	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.84	ug/l
TB-20140221	480-55157-33	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U _		U	1.0	0.78	ug/l
Analytical Method	SW8270D									_		
Sample ID	Lab <u>Sam</u> ple D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675351A	4801675351A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.31	ug/l
4801675351A	4801675351A	CARBAZOLE	2/28/2014		Yes	N	U		U	5.0	0.30	ug/l
4801675351A	4801675351A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.22	ug/l
4801675351A	4801675351A	DIBENZOFURAN	2/28/2014		Yes	N	U		U	10	0.51	ug/l
4801675351A	4801675351A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801675351A	4801675351A	CHRYSENE	2/28/2014		Yes	N	U		U	5.0	0.33	ug/l
4801675351A	4801675351A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801675351A	4801675351A	CAPROLACTAM	2/28/2014		Yes	N	U		U	5.0	2.2	ug/l
4801675351A	4801675351A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	5.0	1.8	ug/l
4801675351A	4801675351A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	5.0	0.52	ug/l
4801675351A	4801675351A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	5.0	0.65	ug/l
4801675351A	4801675351A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801675351A	4801675351A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801675351A	4801675351A	PYRENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801675351A	4801675351A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801675351A	4801675351A	ISOPHORONE	2/28/2014		Yes	N	U		U	5.0	0.43	ug/l
4801675351A	4801675351A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.73	ug/l
4801675351A	4801675351A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	PHENOL	2/28/2014		Yes	N	U		U	5.0	0.39	ug/l
4801675351A	4801675351A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801675351A	4801675351A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801675351A	4801675351A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801675351A	4801675351A	PHENANTHRENE	2/28/2014		Yes	N	U		U	5.0	0.44	ug/l

Analytical Method	SW8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quai Final qual	RL	MDL	Units
4801675351A	4801675351A	NAPHTHALENE	2/28/2014		Yes	N	U	U	5.0	0.76	ug/l
4801675351A	4801675351A	FLUORANTHENE	2/28/2014		Yes	N	U	U	5.0	0.40	ug/l
4801675351A	4801675351A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U	U	5.0	0.47	ug/l
4801675351A	4801675351A	HEXACHLOROETHANE	2/28/2014		Yes	N	U	U	5.0	0.59	ug/l
4801675351A	4801675351A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U	U	5.0	0.59	ug/l
4801675351A	4801675351A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U	U	5.0	0.68	ug/l
4801675351A	4801675351A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U	U	5.0	0.51	ug/l
4801675351A	4801675351A	FLUORENE	2/28/2014		Yes	N	U	U	5.0	0.36	ug/l
4801675351A	4801675351A	NITROBENZENE	2/28/2014		Yes	N	U	U	5.0	0.29	ug/l
4801675351A	4801675351A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U	U	5.0	0.46	ug/l
4801675351A	4801675351A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U	U	5.0	0.48	ug/l
4801675351A	4801675351A	3-NITROANILINE	2/28/2014		Yes	N	U	U	10	0.48	ug/l
4801675351A	4801675351A	2-NITROPHENOL	2/28/2014		Yes	N	U	U	5.0	0.48	ug/l
4801675351A	4801675351A	2-NITROANILINE	2/28/2014		Yes	N	U	U	10	0.42	ug/l
4801675351A	4801675351A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U	U	5.0	0.61	ug/l
4801675351A	4801675351A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	υ	5.0	0.45	ug/l
4801675351A	4801675351A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U	U	10	2.2	ug/l
4801675351A	4801675351A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U	U	5.0	0.40	ug/l
4801675351A	4801675351A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U	υ	5.0	0.40	ug/l
4801675351A	4801675351A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U	υ	5.0	0.45	ug/l
4801675351A	4801675351A	2,4-DINITROPHENOL	2/28/2014		Yes	N	U	U	10	2.2	ug/l
4801675351A	4801675351A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U	U	5.0	0.50	ug/l
4801675351A	4801675351A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U	U	5.0	0.51	ug/l
4801675351A	4801675351A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U	U	5.0	0.35	ug/l
4801675351A	4801675351A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U	U	5.0	0.60	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675351A	4801675351A	ANTHRACENE	2/28/2014		Yes	N	U		υ	5.0	0.28	ug/l
4801675351A	4801675351A	2-CHLOROPHENOL	2/28/2014		Yes	N	υ		U	5.0	0.53	ug/l
4801675351A	4801675351A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801675351A	4801675351A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801675351A	4801675351A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801675351A	4801675351A	ATRAZINE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801675351A	4801675351A	BENZO(A)PYRENE	2/28/2014		Yes	N	U		υ	5.0	0.47	ug/l
4801675351A	4801675351A	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801675351A	4801675351A	ACENAPHTHYLENE	2/28/2014		Yes	N	υ		U	5.0	0.38	ug/l
4801675351A	4801675351A	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.0	0.41	ug/l
4801675351A	4801675351A	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.5	ug/l
4801675351A	4801675351A	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.25	ug/l
4801675351A	4801675351A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.36	ug/l
4801675351A	4801675351A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801675351A	4801675351A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801675351A	4801675351A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	5.0	0.27	ug/l
4801676181A	4801676181A	CHRYSENE	3/3/2014		Yes	N	U		υ	160	1.6	ug/kg
4801676181A	4801676181A	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	Ν	U		υ	160	3.8	ug/kg
4801676181A	4801676181A	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	160	4.3	ug/kg
4801676181A	4801676181A	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	160	4.9	ug/kg
4801676181A	4801676181A	DIBENZOFURAN	3/3/2014		Yes	N	U		U	160	1.7	ug/kg
4801676181A	4801676181A	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	CARBAZOLE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	CAPROLACTAM	3/3/2014		Yes	N	U		U	160	71	ug/kg
4801676181A	4801676181A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	160	53	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801676181A	4801676181A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	υ	160	17	ug/kg
4801676181A	4801676181A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	160	14	ug/kg
4801676181A	4801676181A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U	U	160	8.9	ug/kg
4801676181A	4801676181A	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	160	44	ug/kg
4801676181A	4801676181A	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	U	160	1.8	ug/kg
4801676181A	4801676181A	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	160	10	ug/kg
480 1 676181A	4801676181A	NAPHTHALENE	3/3/2014		Yes	N	U	U	160	2.7	ug/kg
4801676181A	4801676181A	PYRENE	3/3/2014		Yes	N	U	U	160	1.1	ug/kg
4801676181A	4801676181A	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	160	57	ug/kg
4801676181A	4801676181A	PHENOL	3/3/2014		Yes	N	U	U	160	17	ug/kg
4801676181A	4801676181A	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U	U	160	2.0	ug/kg
4801676181A	4801676181A	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	U	320	56	ug/kg
4801676181A	4801676181A	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	160	8.9	ug/kg
4801676181A	4801676181A	PHENANTHRENE	3/3/2014		Yes	N	U	U	160	3.4	ug/kg
4801676181A	4801676181A	NITROBENZENE	3/3/2014		Yes	N	U	U	160	7.3	ug/kg
4801676181A	4801676181A	FLUORENE	3/3/2014		Yes	N	U	U	160	3.8	ug/kg
4801676181A	4801676181A	ISOPHORONE	3/3/2014		Yes	N	U	U	160	8.2	ug/kg
4801676181A	4801676181A	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	U	160	4.5	ug/kg
4801676181A	4801676181A	HEXACHLOROETHANE	3/3/2014		Yes	N	U	U	160	13	ug/kg
4801676181A	4801676181A	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	160	49	ug/kg
480 1 676181A	4801676181A	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	160	8.4	ug/kg
4801676181A	4801676181A	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	160	8.1	ug/kg
4801676181A	4801676181A	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	160	13	ug/kg
4801676181A	4801676181A	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U	U	160	3.2	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676181A	4801676181A	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	160	140	ug/kg
4801676181A	4801676181A	2-NITROPHENOL	3/3/2014		Yes	N	U		U	160	7.5	ug/kg
4801676181A	4801676181A	2-NITROANILINE	3/3/2014		Yes	N	U		U	320	52	ug/kg
4801676181A	4801676181A	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	160	5.0	ug/kg
4801676181A	4801676181A	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	160	2.0	ug/kg
4801676181A	4801676181A	3-NITROANILINE	3/3/2014		Yes	N	U		U	320	38	ug/kg
4801676181A	4801676181A	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	160	11	ug/kg
4801676181A	4801676181A	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	160	8.3	ug/kg
4801676181A	4801676181A	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	160	25	ug/kg
4801676181A	4801676181A	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676181A	4801676181A	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	160	44	ug/kg
4801676181A	4801676181A	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	8.6	ug/kg
4801676181A	4801676181A	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	11	ug/kg
4801676181A	4801676181A	FLUORANTHENE	3/3/2014		Yes	N	U		U	160	2.4	ug/kg
4801676181A	4801676181A	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	36	ug/kg
4801676181A	4801676181A	ANTHRACENE	3/3/2014		Yes	N	U		U	160	4.2	ug/kg
4801676181A	4801676181A	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	160	3.9	ug/kg
4801676181A	4801676181A	2,6-DINITROTOLUENE	3/3/2014		Yes	N	Ų		U	160	40	ug/kg
4801676181A	4801676181A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676181A	4801676181A	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	160	2.8	ug/kg
4801676181A	4801676181A	ATRAZINE	3/3/2014		Yes	N	U		U	160	7.3	ug/kg
4801676181A	4801676181A	ACETOPHENONE	3/3/2014		Yes	N	U		U	160	8.4	ug/kg
4801676181A	4801676181A	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	160	1.3	ug/kg
4801676181A	4801676181A	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	160	48	ug/kg
4801676181A	4801676181A	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	160	52	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	<u>Detect</u>	Lab Quai	Val Qual	Final qual	RL	MDL	Units
4801676181A	4801676181A	BENZALDEHYDE	3/3/2014		Yes	N	U		U	160	18	ug/kg
4801676181A	4801676181A	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	160	6.7	ug/kg
4801676181A	4801676181A	ACENAPHTHENE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	160	3.5	ug/kg
4801676181A	4801676181A	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	320	9.1	ug/kg
4801676181A	4801676181A	4-NITROANILINE	3/3/2014		Yes	N	U		U	320	18	ug/kg
4801676181A	4801676181A	4-NITROPHENOL	3/3/2014		Yes	N	U		U	320	40	ug/kg
4801676201A	4801676201A	CHRYSENE	3/3/2014		Yes	N	U		U	170	1.7	ug/kg
4801676201A	4801676201A	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	170	1.8	ug/kg
4801676201A	4801676201A	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	170	4.3	ug/kg
4801676201A	4801676201A	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	170	5.0	ug/kg
4801676201A	4801676201A	DIBENZOFURAN	3/3/2014		Yes	N	U		U	170	1.7	ug/kg
4801676201A	4801676201A	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		υ	170	1.9	ug/kg
4801676201A	4801676201A	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	υ		U	170	57	ug/kg
4801676201A	4801676201A	CARBAZOLE	3/3/2014		Yes	N	U		U	170	1.9	ug/kg
4801676201A	4801676201A	CAPROLACTAM	3/3/2014		Yes	N	U		U	170	71	ug/kg
4801676201A	4801676201A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	170	53	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	170	17	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	υ		U	170	14	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	170	9.0	ug/kg
4801676201A	4801676201A	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	170	44	ug/kg
4801676201A	4801676201A	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	170	10	ug/kg
4801676201A	4801676201A	ISOPHORONE	3/3/2014		Yes	N	U		U	170	8.3	ug/kg
4801676201A	4801676201A	3-NITROANILINE	3/3/2014		Yes	N	U		U	320	38	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676201A	4801676201A	PHENOL	3/3/2014		Yes	N	U		U	170	17	ug/kg
4801676201A	4801676201A	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	170	2.0	ug/kg
4801676201A	4801676201A	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676201A	4801676201A	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	170	9.0	ug/kg
4801676201A	4801676201A	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	170	13	ug/kg
4801676201A	4801676201A	PHENANTHRENE	3/3/2014		Yes	N	U		U	170	3.5	ug/kg
4801676201A	4801676201A	NAPHTHALENE	3/3/2014		Yes	N	U		U	170	2.8	ug/kg
4801676201A	4801676201A	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	170	3.9	ug/kg
4801676201A	4801676201A	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	170	4.6	ug/kg
4801676201A	4801676201A	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	170	13	ug/kg
4801676201A	4801676201A	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	170	8.5	ug/kg
4801676201A	4801676201A	PYRENE	3/3/2014		Yes	N	U		U	170	1.1	ug/kg
4801676201A	4801676201A	FLUORENE	3/3/2014		Yes	N	U		υ	170	3.8	ug/kg
4801676201A	4801676201A	FLUORANTHENE	3/3/2014		Yes	N	U		U	170	2.4	ug/kg
4801676201A	4801676201A	NITROBENZENE	3/3/2014		Yes	N	U		U	170	7.3	ug/kg
4801676201A	4801676201A	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	170	26	ug/kg
4801676201A	4801676201A	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	170	53	ug/kg
4801676201A	4801676201A	2-NITROANILINE	3/3/2014		Yes	N	U		U	320	53	ug/kg
4801676201A	4801676201A	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	170	5.1	ug/kg
4801676201A	4801676201A	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		υ	170	2.0	ug/kg
4801676201A	4801676201A	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	170	8.4	ug/kg
4801676201A	4801676201A	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	υ		U	170	140	ug/kg
4801676201A	4801676201A	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	170	40	ug/kg
4801676201A	4801676201A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676201A	4801676201A	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	320	58	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676201A	4801676201A	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	170	45	ug/kg
4801676201A	4801676201A	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	8.7	ug/kg
4801676201A	4801676201A	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	11	ug/kg
4801676201A	4801676201A	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	36	ug/kg
4801676201A	4801676201A	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	170	50	ug/kg
4801676201A	4801676201A	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	170	11	ug/kg
4801676201A	4801676201A	ACENAPHTHENE	3/3/2014		Yes	N	U		U	170	1.9	ug/kg
4801676201A	4801676201A	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	170	4.0	ug/kg
4801676201A	4801676201A	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	υ		U	170	2.9	ug/kg
4801676201A	4801676201A	BENZALDEHYDE	3/3/2014		Yes	N	U		U	170	18	ug/kg
4801676201A	4801676201A	ATRAZINE	3/3/2014		Yes	N	U		U	170	7.4	ug/kg
4801676201A	4801676201A	ANTHRACENE	3/3/2014		Yes	N	U		U	170	4.2	ug/kg
4801676201A	4801676201A	2-NITROPHENOL	3/3/2014		Yes	N	U		U	170	7.6	ug/kg
4801676201A	4801676201A	ACENAPHTHYLENE	3/3/2014		Yes	N	U		υ	170	1.4	ug/kg
4801676201A	4801676201A	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	170	3.2	ug/kg
4801676201A	4801676201A	4-NITROPHENOL	3/3/2014		Yes	N	U		U	320	40	ug/kg
4801676201A	4801676201A	4-NITROANILINE	3/3/2014		Yes	N	U		U	320	18	ug/kg
4801676201A	4801676201A	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	320	9.2	ug/kg
4801676201A	4801676201A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	170	3.5	ug/kg
4801676201A	4801676201A	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	170	49	ug/kg
4801676201A	4801676201A	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	170	6.8	ug/kg
4801676201A	4801676201A	ACETOPHENONE	3/3/2014		Yes	N	U		U	170	8.5	ug/kg
4801676201A	4801676201A	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	170	8.2	ug/kg
CC-C-048-0-2-201402	221 480-55157-1	ACENAPHTHENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-201402	221 480-55157-1	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3500	440	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	1800	44	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ACETOPHENONE	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ANTHRACENE	3/3/2014		Yes	N	U		U	1800	46	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ATRAZINE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1800	200	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(A)ANTHRACENE	3/3/2014	210	Yes	Υ	J		J	1800	31	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ACENAPHTHYLENE	3/3/2014		Yes	N	Ų		υ	1800	15	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	1800	35	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1800	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	1800	20	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1800	160	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1800	190	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-NITROANILINE	3/3/2014		Yes	N	U		U	3500	200	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	280	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-NITROANILINE	3/3/2014		Yes	Ν	U		U	3500	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CAPROLACTAM	3/3/2014		Yes	N	U		U	1800	780	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	400	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	95	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1800	490	ug/kg

Analytical Method SW8	3270D				***				 -			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		υ	3500	630	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	440	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	92	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1800	56	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3500	100	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1800	83	ug/kg
CC-C-048-0-2-20140221	480-55157-1	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1800	1600	ug/kg
CC-C-048-0-2-20140221	480-55157-1	3-NITROANILINE	3/3/2014		Yes	N	U		U	3500	420	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3500	630	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1800	75	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1800	530	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	39	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1800	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PHENANTHRENE	3/3/2014	120	Yes	Υ	J		J	1800	38	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1800	550	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-0-2-20140221	480 - 55157-1	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1800	50	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ISOPHORONE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-0-2-20140221	480-55157-1	NAPHTHALENE	3/3/2014		Yes	N	U		U	1800	30	ug/kg
CC-C-048-0-2-20140221	480-55157-1	NITROBENZENE	3/3/2014		Yes	N	U		U	1800	80	ug/kg
CC-C-048-0-2-20140221	480-55157-1	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3500	620	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual _I	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	PHENOL	3/3/2014		Yes	N	U		U	1800	190	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PYRENE	3/3/2014	380	Yes	Υ	J		J	1800	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	55	ug/kg
CC-C-048-0-2-20140221	480-55157-1	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CARBAZOLE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	FLUORENE	3/3/2014		Yes	N	U		U	1800	42	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CHRYSENE	3/3/2014	240	Yes	Υ	J		J	1800	18	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1800	19	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	47	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1800	90	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1800	42	ug/kg
CC-C-048-0-2-20140221	480-55157-1	FLUORANTHENE	3/3/2014	340	Yes	Υ	J		J	1800	26	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	υ		U	1800	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CARBAZOLE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1800	43	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	48	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIBENZOFURAN	3/3/2014		Yes	N	U		υ	1800	19	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CHRYSENE	3/3/2014	790	Yes	Υ	J		J	1800	18	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CAPROLACTAM	3/3/2014		Yes	N	U		U	1800	790	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1800	590	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1800	190	ug/kg

Milary Clour Mideliou	'8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1800	160	ug/kg
CC-C-048-4-6-20140221	480-55157-3	FLUORANTHENE	3/3/2014	1400	Yes	Υ	J		J	1800	26	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ISOPHORONE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-4-6-20140221	480-55157-3	NAPHTHALENE	3/3/2014	66	Yes	Υ	J		J	1800	30	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PYRENE	3/3/2014	1700	Yes	Υ	J	J	J	1800	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PHENOL	3/3/2014		Yes	N	υ		U	1800	190	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PHENANTHRENE	3/3/2014	680	Yes	Υ	J		J	1800	38	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-4-6-20140221	480-55157-3	NITROBENZENE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-4-6-20140221	480-55157-3	FLUORENE	3/3/2014	99	Yes	Υ	J		J	1800	42	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(K)FLUORANTHENE	3/3/2014	520	Yes	Υ	J		J	1800	20	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1800	550	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1800	94	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-4-6-20140221	480-55157-3	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		· U	1800	140	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		υ	1800	120	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	420	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1800	1600	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1800	84	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1800	56	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	450	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	280	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(G,H,I)PERYLENE	3/3/2014	380	Yes	Υ	J		J	1800	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	96	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	55	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	400	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-METHYLNAPHTHALENE	3/3/2014	45	Yes	Υ	J		J	1800	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(A)ANTHRACENE	3/3/2014	740	Yes	Υ	J		J	1800	32	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1800	75	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(A)PYRENE	3/3/2014	570	Yes	Υ	J		J	1800	44	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1800	200	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ATRAZINE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ANTHRACENE	3/3/2014	190	Yes	Υ	J		J	1800	47	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACETOPHENONE	3/3/2014		Yes	N	U		U	1800	94	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1800	15	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	440	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	200	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	υ		U	3600	100	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1800	540	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACENAPHTHENE	3/3/2014	120	Yes	Υ	J		J	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(B)FLUORANTHENE	3/3/2014	720	Yes	Υ	J		J ·	1800	35	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	39	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	4.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	65	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIBENZOFURAN	3/3/2014	83	Yes	Υ	J		J	190	2.0	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CHRYSENE	3/3/2014	810	Yes	Υ		J	J	190	1.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CARBAZOLE	3/3/2014	48	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	250	Yes	Υ		J	J	190	61	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	υ		U	190	16	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	FLUORANTHENE	3/3/2014	1000	Yes	Υ				190	2.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIPHENYL (DIPHENYL)	3/3/2014	12	Yes	Υ	J		J	190	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	81	ug/kg
CC-C-048-8-10-20140221	480-55157-4	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(K)FLUORANTHENE	3/3/2014	280	Yes	Υ				190	2.1	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIBENZ(A,H)ANTHRACENE	3/3/2014	81	Yes	Υ	J	J	J	190	2.2	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	PYRENE	3/3/2014	1500	Yes	Υ				190	1.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PHENANTHRENE	3/3/2014	710	Yes	Υ				190	3.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	NAPHTHALENE	3/3/2014	63	Yes	Υ	j		J	190	3.1	ug/kg
CC-C-048-8-10-20140221	480-55157-4	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	FLUORENE	3/3/2014	170	Yes	Υ	J		J	190	4.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Υ		J	J	190	5.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	190	57	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		υ	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	64	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-048-8-10-20140221	480-55157-4	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	43	ug/kg
CC-C-048-8-10-20140221	480-55157-4	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	190	160	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		υ	190	9.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-CHLOROPHENOL	3/3/2014		Yes	N	U		υ	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	60	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(G,H,I)PERYLENE	3/3/2014	300	Yes	Υ		J	J	190	2.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(A)PYRENE	3/3/2014	440	Yes	Υ				190	4.5	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-METHYLNAPHTHALENE	3/3/2014	45	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(B)FLUORANTHENE	3/3/2014	620	Yes	Υ				190	3.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(A)ANTHRACENE	3/3/2014	620	Yes	Υ		J	J	190	3.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZALDEHYDE	3/3/2014		Yes	N	υ	R	R	190	21	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ATRAZINE	3/3/2014		Yes	N	U	e e	U	190	8.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ANTHRACENE	3/3/2014	510	Yes	Υ				190	4.8	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACETOPHENONE	3/3/2014	22	Yes	Υ	J		J	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACENAPHTHENE	3/3/2014	220	Yes	Υ				190	2.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACENAPHTHYLENE	3/3/2014	14	Yes	Υ	J		J	190	1.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	210	73	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	210	5.5	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	210	6.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIBENZOFURAN	3/3/2014	16	Yes	Υ	J		J	210	2.2	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CHRYSENE	3/3/2014	290	Yes	Υ				210	2.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CARBAZOLE	3/3/2014	22	Yes	Υ	J		J	210	2.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CAPROLACTAM	3/3/2014		Yes	N	U		U	210	91	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	210	68	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	210	56	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	210	18	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	210	13	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	210	4.9	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	210	22	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ISOPHORONE	3/3/2014		Yes	N	U		U	210	10	ug/kg
CC-C-049-0-2-20140221	480-55157 - 5	BENZO(B)FLUORANTHENE	3/3/2014	370	Yes	Υ				210	4.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PYRENE	3/3/2014	530	Yes	Υ				210	1.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PHENANTHRENE	3/3/2014	210	Yes	Υ				210	4.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	410	72	ug/kg
CC-C-049-0-2-20140221	480-55157-5	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	210	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PHENOL	3/3/2014		Yes	N	U		U	210	22	ug/kg
CC-C-049-0-2-20140221	480-55157-5	NAPHTHALENE	3/3/2014	14	Yes	Υ	J		J	210	3.5	ug/kg
CC-C-049-0-2-20140221	480-55157 - 5	FLUORANTHENE	3/3/2014	320	Yes	Υ				210	3.0	ug/kg
CC-C-049-0-2-20140221	480-55157-5	INDENO(1,2,3-C,D)PYRENE	3/3/2014	270	Yes	Υ				210	5.8	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	210	16	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	210	63	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	210	10	ug/kg
CC-C-049-0-2-20140221	480-55157-5	FLUORENE	3/3/2014	22	Yes	Υ	J		J	210	4.8	ug/kg
CC-C-049-0-2-20140221	480-55157-5	NITROBENZENE	3/3/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	210	32	ug/kg
CC-C-049-0-2-20140221	480-55157-5	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	210	180	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-NITROPHENOL	3/3/2014		Yes	N	U		U	210	9.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-NITROANILINE	3/3/2014		Yes	N	U		U	410	67	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	210	6.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-METHYLNAPHTHALENE	3/3/2014	10	Yes	Υ	J		J	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	3-NITROANILINE	3/3/2014		Yes	N	U		U	410	48	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	210	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	410	73	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	210	57	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(G,H,I)PERYLENE	3/3/2014	230	Yes	Υ				210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(K)FLUORANTHENE	3/3/2014	180	Yes	Υ	J		J	210	2.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	46	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(A)ANTHRACENE	3/3/2014	270	Yes	Υ				210	3.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	210	51	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(A)PYRENE	3/3/2014	290	Yes	Υ				210	5.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	410	72	ug/kg
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Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	BENZALDEHYDE	3/3/2014		Yes	N	U		U	210	23	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ATRAZINE	3/3/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ANTHRACENE	3/3/2014	57	Yes	Υ	J		J	210	5.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACETOPHENONE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACENAPHTHYLENE	3/3/2014	11	Yes	Υ	J		J	210	1.7	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACENAPHTHENE	3/3/2014	24	Yes	Υ	J		J	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-NITROPHENOL	3/3/2014		Yes	N	U		U	410	51	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-NITROANILINE	3/3/2014		Yes	N	U		U	410	23	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	410	12	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	210	4.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	210	62	ug/kg
CC-C-049-0-2-20140221	480-55157 - 5	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	210	8.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	210	67	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	. ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIBENZOFURAN	3/3/2014	65	Yes	Υ	J		J	1900	19	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CHRYSENE	3/3/2014	570	Yes	Υ	J		J	1900	18	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CARBAZOLE	3/3/2014		Yes	N	υ		U	1900	21	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg

Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	1900	160	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	1900	43	ug/kg
CC-C-049-2-4-20140221	480-55157 - 6	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	1900	190	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ISOPHORONE	3/3/2014		Yes	N	U	U	1900	92	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PYRENE	3/3/2014	1100	Yes	Υ	J	J	1900	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(K)FLUORANTHENE	3/3/2014	300	Yes	Υ	J	J	1900	20	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	U	3600	630	ug/kg
CC-C-049-2-4-20140221	480-55157-6	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	1900	100	ug/kg
CC-C-049-2-4-20140221	480-55157-6	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	1900	150	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PHENOL	3/3/2014		Yes	N	U	U	1900	190	ug/kg
CC-C-049-2-4-20140221	480-55157-6	NAPHTHALENE	3/3/2014	69	Yes	Υ	J	J	1900	31	ug/kg
CC-C-049-2-4-20140221	480-55157-6	FLUORANTHENE	3/3/2014	650	Yes	Υ	J	J	1900	27	ug/kg
CC-C-049-2-4-20140221	480-55157-6	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Υ	J	J	1900	51	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROETHANE	3/3/2014		Yes	N	U	U	1900	140	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	1900	560	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	1900	95	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	υ	1900	92	ug/kg
CC-C-049-2-4-20140221	480-55157-6	FLUORENE	3/3/2014	80	Yes	Υ	J	J	1900	43	ug/kg
CC-C-049-2-4-20140221	480-55157-6	NITROBENZENE	3/3/2014		Yes	N	U	U	1900	82	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	1900	450	ug/kg
CC-C-049-2-4-20140221	480-55157-6	3-NITROANILINE	3/3/2014		Yes	N	U	U	3600	430	ug/kg
CC-C-049-2-4-20140221	480-55157-6	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	1900	1600	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-NITROPHENOL	3/3/2014		Yes	N	U	U	1900	85	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	2-NITROANILINE	3/3/2014		Yes	N	U	U	3600	590	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U	U	1900	57	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-METHYLNAPHTHALENE	3/3/2014	42	Yes	Υ	J	J	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U	. U	3600	640	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U	U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	1900	400	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U	U	1900	290	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DINITROPHENOL	3/3/2014		Yes	N	U	U	3600	650	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U	U	1900	500	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U	U	1900	97	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U	U	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	1900	94	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ATRAZINE	3/3/2014		Yes	N	U	U	1900	82	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PHENANTHRENE	3/3/2014	540	Yes	Υ	J	J	1900	39	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(A)PYRENE	3/3/2014	380	Yes	Υ	J	J	1900	45	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	1900	590	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZALDEHYDE	3/3/2014		Yes	N	U	U	1900	200	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(B)FLUORANTHENE	3/3/2014	510	Yes	Υ	J	J	1900	36	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ANTHRACENE	3/3/2014	140	Yes	Υ	J	J	1900	47	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACETOPHENONE	3/3/2014		Yes	N	U	U	1900	95	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACENAPHTHENE	3/3/2014	110	Yes	Υ	J	J	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157 - 6	4-NITROPHENOL	3/3/2014		Yes	N	U	U	3600	450	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-NITROANILINE	3/3/2014		Yes	N	U	U	3600	210	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U	U	3600	100	ug/kg

Analytical Method SW8	3270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final q	ual RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	1900	39	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-CHLOROANILINE	3/3/2014		Yes	N	U	U	1900	540	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACENAPHTHYLENE	3/3/2014		Yes	N	U	U	1900) 15	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(A)ANTHRACENE	3/3/2014	480	Yes	Υ	J	J	1900	32	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U	U	1900	76	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	190	4.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CHRYSENE	3/3/2014	150	Yes	Υ	J	J	190	1.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIBENZOFURAN	3/3/2014	10	Yes	Υ	j	J	190	2.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	65	ug/kg
CC-C-049-8-10-20140221	480-55157 - 7	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	4.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CARBAZOLE	3/3/2014	16	Yes	Υ	J	J	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CAPROLACTAM	3/3/2014		Yes	N	U	U	190	82	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	U	190	61	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	190	20	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	190	16	ug/kg
CC-C-049-8-10-20140221	480-55157-7	FLUORANTHENE	3/3/2014	240	Yes	Υ			190	2.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	190	12	ug/kg
CC-C-049-8-10-20140221	480-55157-7	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	190	15	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U	U	190	10	ug/kg
CC-C-049-8-10-20140221	480-55157-7	NITROBENZENE	3/3/2014		Yes	N	U	U	190	8.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(B)FLUORANTHENE	3/3/2014	170	Yes	Υ	J	J	190	3.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	51	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
CC-C-049-8-10-20140221	480-55157-7	PYRENE	3/3/2014	400	Yes	Υ				190	1.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PHENOL	3/3/2014		Yes	N	υ		U	190	20	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PHENANTHRENE	3/3/2014	150	Yes	Υ	J		J	190	4.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	NAPHTHALENE	3/3/2014	11	Yes	Υ	J		J	190	3.1	ug/kg
CC-C-049-8-10-20140221	480-55157-7	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-049-8-10-20140221	480-55157-7	FLUORENE	3/3/2014	22	Yes	Υ	J		J	190	4.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	INDENO(1,2,3-C,D)PYRENE	3/3/2014	90	Yes	Υ	J		J	190	5.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	57	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	υ		υ	190	9.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-049-8-10-20140221	480-55157-7	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	43	ug/kg
CC-C-049-8-10-20140221	480-55157-7	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	170	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.9	ug/kg
CC-C-049-8-10-20140221	480 - 55157-7	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	61	ug/kg
CC-C-049-8-10-20140221	480 - 55157-7	2,6-DINITROTOLUENE	3/3/2014		Yes	N	υ		U	190	46	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
CC-C-049-8-10-20140221	480-55157-7	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(K)FLUORANTHENE	3/3/2014	78	Yes	Υ	J		J	190	2.1	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
CC-C-049-8-10-20140221	480-55157 - 7	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	Ü		U	190	12	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-METHYLNAPHTHALENE	3/3/2014	4.8	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-049-8-10-20140221	480-55157 - 7	BENZO(G,H,I)PERYLENE	3/3/2014	100	Yes	Υ	J		J	190	2.3	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(A)PYRENE	3/3/2014	140	Yes	Υ	J		J	190	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ANTHRACENE	3/3/2014	50	Yes	Υ	J		J	190	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACENAPHTHENE	3/3/2014	33	Yes	Υ	J		J	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	11	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(A)ANTHRACENE	3/3/2014	150	Yes	Υ	J		J	190	3.3	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIBENZOFURAN	3/3/2014	5.2	Yes	Υ	J		J	180	1.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CHRYSENE	3/3/2014	200	Yes	Υ				180	1.8	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CARBAZOLE	3/3/2014	15	Yes	Υ	J		J	180	2.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	150	Yes	Υ	J		J	180	59	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	180	19	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	180	16	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
CC-C-050-0-2-20140221	480-55157-8	NAPHTHALENE	3/3/2014	7.5	Yes	Υ	J		J	180	3.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	180	4.3	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(K)FLUORANTHENE	3/3/2014	120	Yes	Υ	J		J	180	2.0	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PYRENE	3/3/2014	360	Yes	Υ				180	1.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PHENANTHRENE	3/3/2014	130	Yes	Υ	J		J	180	3.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
CC-C-050-0-2-20140221	480-55157-8	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PHENOL	3/3/2014		Yes	N	U		U	180	19	ug/kg
CC-C-050-0-2-20140221	480-55157-8	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	FLUORANTHENE	3/3/2014	210	Yes	Υ				180	2.7	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ISOPHORONE	3/3/2014		Yes	N	U		U	180	9.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	INDENO(1,2,3-C,D)PYRENE	3/3/2014	170	Yes	Υ	J		J	180	5.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	180	14	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	56	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		υ	180	9.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	15	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	28	ug/kg
CC-C-050-0-2-20140221	480-55157-8	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-NITROPHENOL	3/3/2014		Yes	N	U		U	180	8.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-METHYLNAPHTHALENE	3/3/2014	7.5	Yes	Υ	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	42	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		υ	180	50	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
CC-C-050-0-2-20140221	480-55157-8	FLUORENE	3/3/2014	8.9	Yes	Υ	J		J	180	4.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(G,H,I)PERYLENE	3/3/2014	140	Yes	Υ	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	180	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(B)FLUORANTHENE	3/3/2014	240	Yes	Υ				180	3.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(A)PYRENE	3/3/2014	170	Yes	Υ	J		J	180	4.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZALDEHYDE	3/3/2014		Yes	N	U		υ	180	20	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	ANTHRACENE	3/3/2014	35	Yes	Υ	J		J	180	4.7	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(A)ANTHRACENE	3/3/2014	170	Yes	Υ	J		J	180	3.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACENAPHTHYLENE	3/3/2014	9	Yes	Υ	J		J	180	1.5	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACENAPHTHENE	3/3/2014	9.5	Yes	Υ	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		υ	360	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLOROANILINE	3/3/2014		Yes	N	U		υ	180	54	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	180	7.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	58	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CHRYSENE	3/3/2014	14	Yes	Υ	J		J	200	1.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	84	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	63	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	52	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.6	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(K)FLUORANTHENE	3/3/2014		Yes	Ν	U		U	200	2.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PHENOL	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PHENANTHRENE	3/3/2014	9.1	Yes	Υ	J		J	200	4.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	200	5.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-2-4-20140221	480-55157-9	FLUORANTHENE	3/3/2014	14	Yes	Υ	J		J	200	2.8	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-2-4-20140221	480 - 55157-9	PYRENE	3/3/2014	23	Yes	Υ	J		J	200	1.3	ug/kg
CC-C-050-2-4-20140221	480-55157 - 9	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
CC-C-050-2-4-20140221	480-55157-9	3-NITROANILINE	3/3/2014		Yes	N	U		U	380	45	ug/kg
CC-C-050-2-4-20140221	480-55157-9	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	62	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	υ		U	200	6.0	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	42	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	30	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		υ	200	13	ug/kg
CC-C-050-2-4-20140221	480-55157-9	FLUORENE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	3.8	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	62	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(A)PYRENE	3/3/2014		Yes	N	υ		U	200	4.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ANTHRACENE	3/3/2014		Yes	N	U		U	200	5.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(A)ANTHRACENE	3/3/2014	16	Yes	Υ	J		J	200	3.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	57	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	380	11	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	4-NITROANILINE	3/3/2014		Yes	N	U		U	380	22	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACENAPHTHENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIBENZOFURAN	3/3/2014		Yes	N	U		υ	200	2.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	67	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	FLUORANTHENE	3/3/2014	73	Yes	Υ	J		J	200	2.8	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CHRYSENE	3/3/2014	62	Yes	Υ	J		J	200	1.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	84	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	980	Yes	Υ				200	63	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-050-8-10-20140221	480-55157-10	NAPHTHALENE	3/3/2014	11	Yes	Υ	J		J	200	3.2	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PYRENE	3/3/2014	140	Yes	Υ	J		J	200	1.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	52	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PHENANTHRENE	3/3/2014	48	Yes	Υ	j		J	200	4.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PHENOL	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	FLUORENE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	INDENO(1,2,3-C,D)PYRENE	3/3/2014	46	Yes	Υ	J		J	200	5.4	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
CC-C-050-8-10-20140221	480-55157-10	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	62	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-METHYLNAPHTHALENE	3/3/2014	4.6	Yes	Υ	J		J	200	2.4	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	57	ug/kg
CC-C-050-8-10-20140221	480-55157- 1 0	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	30	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg

Analytical Method SW8	270D				-					***		
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual	Final gual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	42	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(G,H,I)PERYLENE	3/3/2014	45	Yes	Υ	J		J	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(B)FLUORANTHENE	3/3/2014	63	Yes	Υ	J		J	200	3.8	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(A)PYRENE	3/3/2014	54	Yes	Υ	J		J	200	4.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(A)ANTHRACENE	3/3/2014	54	Yes	Υ	J		J	200	3.4	ug/kg
CC-C-050-8-10-20140221	480 - 55157-10	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ATRAZINE	3/3/2014		Yes	N	Ų,		U	200	8.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	3-NITROANILINE	3/3/2014		Yes	N	U		U	380	45	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	62	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACENAPHTHENE	3/3/2014	5.1	Yes	Υ	J		J	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-NITROANILINE	3/3/2014		Yes	N	U		υ	380	22	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	Ν	U		U	380	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(K)FLUORANTHENE	3/3/2014	45	Yes	Υ	J		J	200	2.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ANTHRACENE	3/3/2014	13	Yes	Υ	J		J	200	5.0	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
CC-C-051-0-2-20140221	480-55157 - 12	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-051-0-2-20140221	480-55157 - 12	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		υ	1900	410	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-CHLOROPHENOL	3/3/2014		Yes	N	U		υ	1900	95	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PHENANTHRENE	3/3/2014	710	Yes	Υ	J		J	1900	39	ug/kg
CC-C-051-0-2-20140221	480-55157-12	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-051-0-2-20140221	480-55157-12	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	ΛΊ	1900	1600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PYRENE	3/3/2014	1400	Yes	Υ	J		J	1900	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CARBAZOLE	3/3/2014		Yes	N	U		υ	1900	21	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CHRYSENE	3/3/2014	810	Yes	Υ	J	J	J	1900	19	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	UJ	UJ	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-051-0-2-20140221	480-55157-12	FLUORANTHENE	3/3/2014	960	Yes	Υ	J		J	1900	27	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	1900	560	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-051-0-2-20140221	480-55157-12	INDENO(1,2,3-C,D)PYRENE	3/3/2014	540	Yes	Υ	J	J	J	1900	51	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ISOPHORONE	3/3/2014		Yes	N	U		υ	1900	93	ug/kg
CC-C-051-0-2-20140221	480-55157-12	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-051-0-2-20140221	480-55157-12	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-051-0-2-20140221	480-55157-12	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-0-2-20140221	480-55157-12	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PENTACHLOROPHENOL	3/3/2014		Yes	N	Ü		U	3600	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	43	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACENAPHTHENE	3/3/2014	45	Yes	Υ	J		J	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ANTHRACENE	3/3/2014	140	Yes	Υ	J		J	1900	48	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZALDEHYDE	3/3/2014		Yes	N	U	R	R	1900	200	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(A)ANTHRACENE	3/3/2014	640	Yes	Υ	j	J	J	1900	32	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(A)PYRENE	3/3/2014	590	Yes	Υ	J	J	J	1900	45	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(B)FLUORANTHENE	3/3/2014	800	Yes	Υ	J	J	J	1900	36	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(G,H,I)PERYLENE	3/3/2014	460	Yes	Υ	J	J	J	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(K)FLUORANTHENE	3/3/2014	380	Yes	Υ	J	J	J	1900	20	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(A)PYRENE	3/3/2014	350	Yes	Υ	j		J	1900	46	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	830	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(K)FLUORANTHENE	3/3/2014	200	Yes	Υ	J		J	1900	21	ug/kg
CC-C-051-2-4-20140221	480-55157-13	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-2-4-20140221	480-55157-13	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PHENANTHRENE	3/3/2014	220	Yes	Υ	J		J	1900	40	ug/kg
CC-C-051-2-4-20140221	480-55157-13	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	32	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	740	Yes	Υ	J		J	1900	620	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		υ	1900	200	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	170	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg

Analytical Method SW	8270D				-							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	FLUORANTHENE	3/3/2014	610	Yes	Υ	J		J	1900	28	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	420	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	210	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	20	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	50	ug/kg
CC-C-051-2-4-20140221	480-55157-13	NITROBENZENE	3/3/2014		Yes	N	υ		U	1900	85	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	45	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CHRYSENE	3/3/2014	440	Yes	Υ	J		J	1900	19	ug/kg
CC-C-051-2-4-20140221	480-55157-13	FLUORENE	3/3/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		υ	1900	95	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		υ	1900	98	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	580	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-2-4-20140221	480-55157-13	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		υ	1900	53	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	3-NITROANILINE	3/3/2014		Yes	N	U		U	3700	440	ug/kg
CC-C-051-2-4-20140221	480-55157-13	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1700	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	87	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-NITROANILINE	3/3/2014		Yes	N	U		U	3700	610	ug/kg

Analytical Method SW	8270D					,						
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	59	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	610	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	300	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3700	670	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	520	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-METHYLNAPHTHALENE	3/3/2014	38	Yes	Υ	J		J	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ANTHRACENE	3/3/2014	72	Yes	Υ	j		J	1900	49	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PYRENE	3/3/2014	910	Yes	Υ	j		J	1900	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	470	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	79	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(B)FLUORANTHENE	3/3/2014	420	Yes	Υ	J		J	1900	37	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ATRAZINE	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	16	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		υ	3700	110	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3700	460	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-NITROANILINE	3/3/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-051-2-4-20140221	480 - 55157-13	ACENAPHTHENE	3/3/2014	74	Yes	Υ	J		J	1900	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	41	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
CC-C-051-2-4-20140221	480-55157-13	BENZO(A)ANTHRACENE	3/3/2014	420	Yes	Υ	J		J	1900	33	ug/kg
CC-C-051-8-10-20140221	480-55157-14	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	2000	54	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	2000	150	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	2000	590	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		υ	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	FLUORENE	3/3/2014	410	Yes	Υ	J		J	2000	45	ug/kg
CC-C-051-8-10-20140221	480-55157-14	FLUORANTHENE	3/3/2014	880	Yes	Υ	J		J	2000	28	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	680	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PHENANTHRENE	3/3/2014	710	Yes	Υ	J		J	2000	41	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	2000	46	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROBENZENE	3/3/2014		Yes	Ν	U		U	2000	97	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ISOPHORONE	3/3/2014		Yes	N	U		U	2000	98	ug/kg
CC-C-051-8-10-20140221	480-55157-14	NAPHTHALENE	3/3/2014		Yes	N	U		U	2000	33	ug/kg
CC-C-051-8-10-20140221	480-55157-14	NITROBENZENE	3/3/2014		Yes	N	U		U	2000	87	ug/kg
CC-C-051-8-10-20140221	480-55157-14	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	2000	150	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3800	670	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PHENOL	3/3/2014		Yes	N	U		U	2000	210	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PYRENE	3/3/2014	1500	Yes	Υ	J		J	2000	13	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	130	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACETOPHENONE	3/3/2014		Yes	N	U		U	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	2000	110	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-NITROPHENOL	3/3/2014		Yes	N	U		U	2000	89	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3800	470	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-NITROANILINE	3/3/2014		Yes	N	U		U	3800	220	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3800	110	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2000	42	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLOROANILINE	3/3/2014		Yes	N	υ		υ	2000	570	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	2000	80	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2000	620	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3800	670	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ATRAZINE	3/3/2014		Yes	N	U		U	2000	87	ug/kg
CC-C-051-8-10-20140221	480-55157-14	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	2000	1700	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	2000	16	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-NITROANILINE	3/3/2014		Yes	N	U		U	3800	630	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	2000	60	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-METHYLNAPHTHALENE	3/3/2014	54	Yes	Υ	J		J	2000	24	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	99	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	2000	130	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2000	480	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2000	300	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		υ	3800	680	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	2000	530	ug/kg
CC-C-051-8-10-20140221	480-55157-14	3-NITROANILINE	3/3/2014		Yes	N	U		U	3800	450	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		υ	2000	520	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	2000	59	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIBENZOFURAN	3/3/2014	310	Yes	Υ	J		J	2000	20	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	CHRYSENE	3/3/2014	900	Yes	Υ	J		J	2000	20	ug/kg
CC-C-051-8-10-20140221	480-55157-14	CARBAZOLE	3/3/2014		Yes	N	U		U	2000	23	ug/kg

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Sample ID	Lah Sample E D	Chemical Name	Anal Date	<u>Result</u>	Report	<u>Detect</u>	Lab Quai	Val Qual	Final qual	RL	MDL	<u>Units</u>
CC-C-051-8-10-20140221	480-55157-14	CAPROLACTAM	3/3/2014		Yes	N	U		U	2000	840	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	870	Yes	Υ	J		J	2000	630	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	υ		U _.	2000	200	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	2000	170	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	2000	120	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACENAPHTHENE	3/3/2014	770	Yes	Υ	J		J	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(K)FLUORANTHENE	3/3/2014	300	Yes	Υ	J		J	2000	21	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(B)FLUORANTHENE	3/3/2014	600	Yes	Υ	J		J	2000	38	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(A)PYRENE	3/3/2014	290	Yes	Υ	J		J	2000	47	ug/kg
CC-C-051-8-10-20140221	480-55157 - 14	BENZO(A)ANTHRACENE	3/3/2014	620	Yes	Υ	J		J	2000	34	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZALDEHYDE	3/3/2014		Yes	N	U		U	2000	210	ug/kg
CC-C-051-8-10-20140221	480-55157 - 14	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	430	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ANTHRACENE	3/3/2014	200	Yes	Υ	J		J	2000	50	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	51	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	2000	110	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-NITROANILINE	3/3/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	CARBAZOLE	3/3/2014	330	Yes	Υ	J		J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		υ	1900	500	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	1900	49	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIBENZOFURAN	3/3/2014	390	Yes	Υ	J		J	1900	19	ug/kg
CC-C-052-0-2-20140221	480-55157-15	FLUORANTHENE	3/3/2014	5700	Yes	Υ				1900	27	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample Đ	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	CHRYSENE	3/3/2014	3600	Yes	Υ		J	J	1900	19	ug/kg
CC-C-052-0-2-20140221	480-55157-15	FLUORENE	3/3/2014	860	Yes	Υ	J		J	1900	43	ug/kg
CC-C-052-0-2-20140221	480-55157-15	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-METHYLNAPHTHALENE	3/3/2014	120	Yes	Υ	J		J	1900	23	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	UJ	UJ	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PYRENE	3/3/2014	8000	Yes	Υ				1900	12	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PHENANTHRENE	3/3/2014	8200	Yes	Υ				1900	39	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-052-0-2-20140221	480-55157-15	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	44	ug/kg
CC-C-052-0-2-20140221	480-55157-15	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(K)FLUORANTHENE	3/3/2014	1200	Yes	Υ	J		J	1900	21	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-052-0-2-20140221	480-55157-15	INDENO(1,2,3-C,D)PYRENE	3/3/2014	1600	Yes	Υ	J	J	J	1900	52	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	1900	570	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	93	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-052-0-2-20140221	480-55157-15	3-NITROANILINE	3/3/2014		Yes	N	υ		U	3700	430	ug/kg
CC-C-052-0-2-20140221	480-55157-15	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	86	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-CHLOROPHENOL	3/3/2014		Yes	N	υ		U	1900	95	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(G,H,I)PERYLENE	3/3/2014	1300	Yes	Υ	J	J	J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(B)FLUORANTHENE	3/3/2014	3000	Yes	Υ				1900	36	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(A)PYRENE	3/3/2014	2500	Yes	Υ				1900	45	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(A)ANTHRACENE	3/3/2014	3500	Yes	Υ		J	J	1900	32	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZALDEHYDE	3/3/2014		Yes	N	U	R	R	1900	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ANTHRACENE	3/3/2014	1900	Yes	Υ				1900	48	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACENAPHTHYLENE	3/3/2014	56	Yes	Υ	J		J	1900	15	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACENAPHTHENE	3/3/2014	470	Yes	Υ	J		J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3700	450	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-NITROANILINE	3/3/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3700	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		υ	1900	40	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(K)FLUORANTHENE	3/3/2014	220	Yes	Υ	J		J	1900	20	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(B)FLUORANTHENE	3/3/2014	600	Yes	Υ	J		J	1900	36	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(A)PYRENE	3/3/2014	530	Yes	Υ	J		J	1900	45	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(A)ANTHRACENE	3/3/2014	520	Yes	Υ	J		j	1900	32	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACETOPHENONE	3/3/2014		Yes	N	υ		υ	1900	95	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACENAPHTHENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-NITROANILINE	3/3/2014		Yes	N	υ		U	3600	210	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Final qu	al RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	1900	40	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-CHLOROANILINE	3/3/2014		Yes	N	υ	U	1900	550	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U	U	1900	77	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	1900	590	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U	U	3600	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	3-NITROANILINE	3/3/2014		Yes	N	υ	U	3600	430	ug/kg
CC-C-052-2-4-20140221	480-55157-16	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	1900	1600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-NITROPHENOL	3/3/2014		Yes	N	U	U	1900	85	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-NITROANILINE	3/3/2014		Yes	N	U	U	3600	600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ANTHRACENE	3/3/2014	120	Yes	Υ	J	J	1900	48	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	1900	95	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PYRENE	3/3/2014	1000	Yes	Υ	J	J	1900	12	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PHENOL	3/3/2014		Yes	N	U	U	1900	200	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PHENANTHRENE	3/3/2014	390	Yes	Υ	J	J	1900	39	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	U	3600	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	1900	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	1900	150	ug/kg
CC-C-052-2-4-20140221	480-55157-16	NITROBENZENE	3/3/2014		Yes	N	U	U	1900	82	ug/kg
CC-C-052-2-4-20140221	480-55157-16	NAPHTHALENE	3/3/2014		Yes	N	U	U	1900	31	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ISOPHORONE	3/3/2014		Yes	N	υ	U	1900	93	ug/kg
CC-C-052-2-4-20140221	480-55157-16	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Υ	J	J	1900	51	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	1900	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	1900	160	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	1900	560	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-052-2-4-20140221	480-55157-16	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-052-2-4-20140221	480-55157-16	FLUORANTHENE	3/3/2014	720	Yes	Υ	J		J	1900	27	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CHRYSENE	3/3/2014	560	Yes	Υ	J		J	1900	19	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-052-2-4-20140221	480 - 55157-16	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	υ		U	1900	410	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-052-8-10-20140221	480-55157-17	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>R</u> esult	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	<u>Units</u>
CC-C-052-8-10-20140221	480-55157-17	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PHENANTHRENE	3/3/2014	66	Yes	Υ	J		J	200	4.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
CC-C-052-8-10-20140221	480-55157-17	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-052-8-10-20140221	480-55157-17	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	200	5.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	16	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	61	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ISOPHORONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	390	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	31	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	49	ug/kg
CC-C-052-8-10-20140221	480-55157-17	3-NITROANILINE	3/3/2014		Yes	N	U		υ	390	46	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.2	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	65	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	200	5.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	180	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	390	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	64	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	14	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ANTHRACENE	3/3/2014	12	Yes	Υ	J		J	200	5.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.7	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	3.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	200	4.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(A)ANTHRACENE	3/3/2014	19	Yes	Υ	J		J	200	3.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	54	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ATRAZINE	3/3/2014		Yes	N	U		U	200	9.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		υ	200	13	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACENAPHTHENE	3/3/2014	9.4	Yes	Υ	J		J	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	44	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	49	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZALDEHYDE	3/3/2014	23	Yes	Υ	J		J	200	22	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CHRYSENE	3/3/2014	24	Yes	Υ	J		J	200	2.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	10	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
CC-C-052-8-10-20140221	480-55157-17	FLUORENE	3/3/2014	8.9	Yes	Υ	J		J	200	4.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	FLUORANTHENE	3/3/2014	39	Yes	Υ	J		J	200	2.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	200	6.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	2.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PYRENE	3/3/2014	55	Yes	Υ	J		J	200	1.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	87	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	65	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.1	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	ACENAPHTHENE	3/3/2014	9.9	Yes	Υ	J		J	200	2.3	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
dup027-20140221	480-55157-11	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.2	ug/kg
dup027-20140221	480-55157-11	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
dup027-20140221	480-55157-11	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.2	ug/kg
dup027-20140221	480-55157-11	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
dup027-20140221	480-55157-11	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		υ	390	68	ug/kg
dup027-20140221	480-55157-11	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	48	ug/kg
dup027-20140221	480-55157-11	3-NITROANILINE	3/3/2014		Yes	N	U		U	390	46	ug/kg

Analytical Method	SW8270D											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual F	Final qual	RL	MDL	<u>Units</u>
dup027-20140221	480-55157-11	ACENAPHTHYLENE	3/3/2014	7.7	Yes	Υ	J		J	200	1.6	ug/kg
dup027-20140221	480-55157-11	ACETOPHENONE	3/3/2014		Yes	N	U		υ	200	10	ug/kg
dup027-20140221	480-55157-11	ANTHRACENE	3/3/2014	23	Yes	Υ	J		J	200	5.1	ug/kg
dup027-20140221	480-55157-11	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.8	ug/kg
dup027-20140221	480-55157-11	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
dup027-20140221	480-55157-11	BENZO(A)ANTHRACENE	3/3/2014	72	Yes	Υ	J		J	200	3.4	ug/kg
dup027-20140221	480-55157-11	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg
dup027-20140221	480-55157-11	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		υ	200	13	ug/kg
dup027-20140221	480-55157-11	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
dup027-20140221	480-55157-11	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
dup027-20140221	480-55157-11	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
dup027-20140221	480-55157-11	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
dup027-20140221	480-55157-11	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
dup027-20140221	480-55157-11	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
dup027-20140221	480-55157-11	BENZO(G,H,I)PERYLENE	3/3/2014	58	Yes	Υ	J		J	200	2.4	ug/kg
dup027-20140221	480-55157-11	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	2-METHYLNAPHTHALENE	3/3/2014	5.3	Yes	Υ	J		J	200	2.4	ug/kg
dup027-20140221	480-55157-11	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.1	ug/kg
dup027-20140221	480-55157-11	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	64	ug/kg
dup027-20140221	480-55157-11	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.1	ug/kg
dup027-20140221	480-55157-11	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
dup027-20140221	480-55157-11	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	31	ug/kg
dup027-20140221	480-55157-11	NAPHTHALENE	3/3/2014	14	Yes	Υ	J		J	200	3,3	ug/kg
dup027-20140221	480-55157-11	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg

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Analytical Method	SW8270D											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	FLUORANTHENE	3/3/2014	110	Yes	Υ	J		J	200	2.9	ug/kg
dup027-20140221	480-55157-11	FLUORENE	3/3/2014	13	Yes	Υ	J		J	200	4.6	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	60	ug/kg
dup027-20140221	480-55157-11	BENZO(A)PYRENE	3/3/2014	72	Yes	Υ	J		J	200	4.8	ug/kg
dup027-20140221	480-55157-11	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
dup027-20140221	480-55157-11	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
dup027-20140221	480-55157-11	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.8	ug/kg
dup027-20140221	480-55157-11	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
dup027-20140221	480-55157-11	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
dup027-20140221	480-55157-11	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		υ	390	68	ug/kg
dup027-20140221	480-55157-11	PHENANTHRENE	3/3/2014	85	Yes	Υ	J		J	200	4.2	ug/kg
dup027-20140221	480-55157-11	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
dup027-20140221	480-55157-11	INDENO(1,2,3-C,D)PYRENE	3/3/2014	55	Yes	Υ	J		J	200	5.5	ug/kg
dup027-20140221	480-55157-11	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	86	ug/kg
dup027-20140221	480-55157-11	PYRENE	3/3/2014	190	Yes	Υ	J		J	200	1.3	ug/kg
dup027-20140221	480-55157-11	BENZO(K)FLUORANTHENE	3/3/2014	51	Yes	Υ	J		J	200	2.2	ug/kg
dup027-20140221	480-55157-11	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
dup027-20140221	480-55157-11	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
dup027-20140221	480-55157-11	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	69	ug/kg
dup027-20140221	480-55157-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		υ	200	64	ug/kg
dup027-20140221	480-55157-11	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.2	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	CARBAZOLE	3/3/2014	8.5	Yes	Υ	J	J	200	2.3	ug/kg
dup027-20140221	480-55157-11	CHRYSENE	3/3/2014	82	Yes	Υ	J	J	200	2.0	ug/kg
dup027-20140221	480-55157-11	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	U	200	2.3	ug/kg
dup027-20140221	480-55157-11	DIBENZOFURAN	3/3/2014	5.2	Yes	Υ	J	J	200	2.1	ug/kg
dup027-20140221	480-55157-11	BENZO(B)FLUORANTHENE	3/3/2014	81	Yes	Υ	J	J	200	3.8	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	200	21	ug/kg
FB028-20140221	480-55157-32	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U	U	5.2	0.48	ug/l
FB028-20140221	480-55157-32	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U	U	5.2	0.44	ug/i
FB028-20140221	480-55157-32	ANTHRACENE	2/28/2014		Yes	N	U	U	5.2	0.29	ug/l
FB028-20140221	480-55157-32	CHRYSENE	2/28/2014		Yes	N	U	U	5.2	0.35	ug/l
FB028-20140221	480-55157-32	CARBAZOLE	2/28/2014		Yes	N	U	U	5.2	0.31	ug/l
FB028-20140221	480-55157-32	CAPROLACTAM	2/28/2014		Yes	N	U	υ	5.2	2.3	ug/l
FB028-20140221	480-55157-32	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U	U	5.2	1.9	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U	U	5.2	0.54	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	υ	U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	DIBENZOFURAN	2/28/2014		Yes	N	U	υ	10	0.53	ug/l
FB028-20140221	480-55157-32	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U	U	5.2	0.68	ug/l
FB028-20140221	480-55157-32	DIETHYL PHTHALATE	2/28/2014		Yes	N	U	U	5.2	0.23	ug/l
FB028-20140221	480-55157-32	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U	U	5.2	0.76	ug/l
FB028-20140221	480-55157-32	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U	U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U	U	5.2	0.36	ug/l
FB028-20140221	480-55157-32	BENZO(A)PYRENE	2/28/2014		Yes	N	U	U	5.2	0.49	ug/l
FB028-20140221	480-55157-32	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U	U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	BENZALDEHYDE	2/28/2014		Yes	N	U	U	5.2	0.28	ug/l

Analytical Method	SW8270D							<u></u>				
Sample ID	Lab Sample ID	Chemical Name	Anal Date	<u>Result</u>	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
FB028-20140221	480-55157-32	ATRAZINE	2/28/2014		Yes	N	U		υ	5.2	0.48	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	PYRENE	2/28/2014		Yes	N	U		U	5.2	0.36	ug/l
FB028-20140221	480-55157-32	PHENOL	2/28/2014		Yes	N	U		U	5.2	0.41	ug/i
FB028-20140221	480-55157-32	PHENANTHRENE	2/28/2014		Yes	N	U		υ	5.2	0.46	ug/l
FB028-20140221	480-55157-32	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.3	ug/l
FB028-20140221	480-55157-32	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	5.2	0.56	ug/l
FB028-20140221	480-55157-32	NITROBENZENE	2/28/2014		Yes	N	U		U	5.2	0.30	ug/l
FB028-20140221	480-55157-32	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.2	0.44	ug/l
FB028-20140221	480-55157-32	ISOPHORONE	2/28/2014		Yes	N	U		U	5.2	0.45	ug/l
FB028-20140221	480-55157-32	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	5.2	0.71	ug/l
FB028-20140221	480-55157-32	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	FLUORENE	2/28/2014		Yes	N	U		U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	FLUORANTHENE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.49	ug/i
FB028-20140221	480-55157-32	DI-N-BUTYL PHTHALATE	2/28/2014	0.51	Yes	Υ	J		J	5.2	0.32	ug/l
FB028-20140221	480-55157-32	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	NAPHTHALENE	2/28/2014		Yes	N	U		U	5.2	0.79	ug/l
FB028-20140221	480-55157-32	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	5.2	0.52	ug/l
FB028-20140221	480-55157-32	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.2	0.56	ug/l
FB028-20140221	480-55157-32	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	5.2	0.49	ug/l
FB028-20140221	480-55157-32	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Quai	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.50	ug/l
FB028-20140221	480-55157-32	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		υ	10	2.3	ug/l
FB028-20140221	480-55157-32	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	2-CHLOROPHENOL	2/28/2014		Yes	N	U		υ	5.2	0.55	ug/l
FB028-20140221	480-55157-32	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	5.2	0.63	ug/l
FB028-20140221	480-55157-32	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	2-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.44	ug/l
FB028-20140221	480-55157-32	2-NITROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.50	ug/l
FB028-20140221	480-55157-32	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.26	ug/l
FB028-20140221	480-55157-32	3-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.50	ug/l
FB028-20140221	480-55157-32	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	10	2.3	ug/l
FB028-20140221	480-55157-32	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l
FB028-20140221	480-55157-32	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l
FB028-20140221	480-55157-32	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.38	ug/l
FB028-20140221	480-55157-32	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.2	0.43	ug/l
FB028-20140221	480-55157-32	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.64	ug/l
FB028-20140221	480-55157-32	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.6	ug/l
FB028-20140221	480-55157-32	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	5.2	0.40	ug/l
LT-C-053-0-2-2014022	1 480-55157-24	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
LT-C-053-0-2-2014022	480-55157-24	ACENAPHTHENE	3/3/2014	85	Yes	Υ	J		J	1900	22	ug/kg
LT-C-053-0-2-2014022	1 480-55157-24	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	94	ug/kg

Analytical Method SW	8270D											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(G,H,I)PERYLENE	3/3/2014	490	Yes	Υ	J		J	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		υ	3600	100	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ANTHRACENE	3/3/2014		Yes	N	U		U	1900	47	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ATRAZINE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZALDEHYDE	3/3/2014		Yes	N	U		υ	1900	200	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(A)ANTHRACENE	3/3/2014	650	Yes	Υ	J		J	1900	32	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(B)FLUORANTHENE	3/3/2014	870	Yes	Υ	J		J	1900	36	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(K)FLUORANTHENE	3/3/2014	1000	Yes	Υ	J		J	1900	20	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	39	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(A)PYRENE	3/3/2014	660	Yes	Υ	J		J	1900	44	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	96	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	94	ug/kg
LT-C-053-0-2-20140221	480-55157-24	FLUORANTHENE	3/3/2014	350	Yes	Υ	J		J	1900	27	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	490	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	280	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		υ	1900	500	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	540	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
LT-C-053-0-2-20140221	480-55157-24	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	400	ug/kg
LT-C-053-0-2-20140221	480-55157-24	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
LT-C-053-0-2-20140221	480-55157-24	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	420	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	580	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
LT-C-053-0-2-20140221	480-55157-24	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
LT-C-053-0-2-20140221	480-55157-24	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	81	ug/kg
LT-C-053-0-2-20140221	480-55157-24	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
LT-C-053-0-2-20140221	480-55157-24	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-NITROPHENOL	3/3/2014		Yes	Ν	U		U	1900	84	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PHENANTHRENE	3/3/2014		Yes	N	U		U	1900	39	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PHENOL	3/3/2014		Yes	Ν	U		U	1900	190	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PYRENE	3/3/2014	2100	Yes	Υ				1900	12	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
LT-C-053-0-2-20140221	480-55157-24	INDENO(1,2,3-C,D)PYRENE	3/3/2014	460	Yes	Υ	J		J	1900	51	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		υ	1900	110	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	94	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
LT-C-053-0-2-20140221	480-55157 - 24	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	υ		υ	1900	190	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	2300	Yes	Υ				1900	590	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CAPROLACTAM	3/3/2014		Yes	N	U		υ	1900	800	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CARBAZOLE	3/3/2014		Yes	N	υ		υ	1900	21	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CHRYSENE	3/3/2014	890	Yes	Υ	J		J	1900	18	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	91	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	1900	56	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
LT-C-053-0-2-20140221	480-55157-24	FLUORENE	3/3/2014		Yes	N	U		U	1900	42	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DINITROPHENOL	3/3/2014		Yes	N	υ		U	390	70	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(G,H,I)PERYLENE	3/3/2014	340	Yes	Υ				200	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DINITROTOLUENE	3/3/2014		Yes	N	υ		U	200	31	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(A)PYRENE	3/3/2014	500	Yes	Υ				200	4.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	Ν	U		U	200	21	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	64	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	86	ug/kg
LT-C-053-4-6-20140221	480-55157-25	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	CHRYSENE	3/3/2014	660	Yes	Υ				200	2.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIBENZ(A,H)ANTHRACENE	3/3/2014	80	Yes	Υ	J		J	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		υ	200	69	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
LT-C-053-4-6-20140221	480-55157-25	FLUORANTHENE	3/3/2014	980	Yes	Υ				200	2.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	60	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
LT-C-053-4-6-20140221	480-55157-25	INDENO(1,2,3-C,D)PYRENE	3/3/2014	290	Yes	Υ				200	5.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ISOPHORONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	NITROBENZENE	3/3/2014		Yes	N	U		υ	200	8.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
LT-C-053-4-6-20140221	480-55157-25	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	390	68	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PHENANTHRENE	3/3/2014	1400	Yes	Υ				200	4.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PHENOL	3/3/2014		Yes	N	U		υ	200	21	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PYRENE	3/3/2014	1900	Yes	Υ				200	1.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	64	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
LT-C-053-4-6-20140221	480-55157-25	3-NITROANILINE	3/3/2014		Yes	N	U		U	390	46	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	49	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	48	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACENAPHTHENE	3/3/2014	130	Yes	Υ	J		J	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACENAPHTHYLENE	3/3/2014	37	Yes	Υ	J		J	200	1.6	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ANTHRACENE	3/3/2014	130	Yes	Υ	J		J	200	5.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(A)ANTHRACENE	3/3/2014	550	Yes	Υ				200	3.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(B)FLUORANTHENE	3/3/2014	570	Yes	Υ				200	3.9	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	FLUORENE	3/3/2014	33	Yes	Υ	J		J	200	4.6	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(K)FLUORANTHENE	3/3/2014	250	Yes	Υ				200	2.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	54	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	40	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	43	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ANTHRACENE	3/3/2014		Yes	N	U		υ	190	4.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACENAPHTHENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	65	ug/kg

Analytical Method SW	8270D					_					
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	<u>Report</u>	Detect	Lab Qual	Val Qual Final qua	<u> </u> RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	2,4-DINITROTOLUENE	3/3/2014		Yes	N	υ	U	190	29	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	190	59	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U	U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U	U	360	64	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U	U	190	5.7	ug/kg
LT-C-053-6-8-20140221	480-55157 - 26	2-NITROANILINE	3/3/2014		Yes	N	U	U	360	59	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-NITROPHENOL	3/3/2014		Yes	N	U	U	190	8.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	190	160	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	U	190	2.0	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	45	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ISOPHORONE	3/3/2014		Yes	N	U	U	190	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U	U	190	3.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	FLUORENE	3/3/2014		Yes	N	U	U	190	4.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	190	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	190	56	ug/kg
LT-C-053-6-8-20140221	480-55157 - 26	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	190	4.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	U	190	5.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	64	ug/kg
LT-C-053-6-8-20140221	480-55157-26	NAPHTHALENE	3/3/2014		Yes	N	U	U	190	3.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	NITROBENZENE	3/3/2014		Yes	N	U	U	190	8.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	190	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PHENANTHRENE	3/3/2014		Yes	N	U	U	190	3.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PHENOL	3/3/2014		Yes	N	U	U	190	19	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	PYRENE	3/3/2014	80	Yes	Υ	J		J	190	1.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	80	ug/kg
LT-C-053-6-8-20140221	480-55157-26	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		υ	190	50	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-053-6-8-20140221	480-55157-26	FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	60	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CHRYSENE	3/3/2014		Yes	N	U		υ	190	1.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		υ	190	4.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ANTHRACENE	3/3/2014		Yes	N	U		U	1900	47	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	ACENAPHTHENE	3/3/2014	57	Yes	Υ	J		J	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	400	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	32	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	1900	45	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	36	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	540	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg
LT-C-054-0-2-20140221	480-55157-27	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
LT-C-054-0-2-20140221	480-55157-27	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg

LT-C-054-0-2-20140221 LT-C-054-0-2-20140221	Lab Sample D 480-55157-27 480-55157-27 480-55157-27	2-CHLOROPHENOL	Anai Date 3/3/2014	Result	Report	Detect	Lab Qual Val (Qual Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27		3/3/2014						- ALL	ITIDE	
		NITRODENZENE			Yes	N	U	U	1900	94	ug/kg
LT-C-054-0-2-20140221	480-55157-27	NITROBENZENE	3/3/2014		Yes	N	U	U	1900	82	ug/kg
	100 00 101 21	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	1900	92	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	1900	95	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	1900	560	ug/kg
LT-C-054-0-2-20140221	480-5515 7- 27	HEXACHLOROETHANE	3/3/2014		Yes	N	U	U	1900	140	ug/kg
LT-C-054-0-2-20140221	480-55157-27	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	U	1900	51	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U	U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	NAPHTHALENE	3/3/2014		Yes	N	U	U	1900	31	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	1900	43	ug/kg
LT-C-054-0-2-20140221	480-55157-27	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	1900	150	ug/kg
LT-C-054-0-2-20140221	480-55157-27	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	1900	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	υ	3600	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PHENANTHRENE	3/3/2014		Yes	N	U	U	1900	39	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PHENOL	3/3/2014		Yes	N	U	U	1900	200	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PYRENE	3/3/2014	1100	Yes	Υ	J	J	1900	12	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ISOPHORONE	3/3/2014		Yes	N	U	υ	1900	93	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CHRYSENE	3/3/2014	400	Yes	Υ	J	J	1900	19	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U	U	1900	500	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U	U	1900	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	1900	160	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	1900	190	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	1400	Yes	Υ	J	J	1900	600	ug/kg

Analytical Method SW	8270D		· ·						<u> </u>			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	21	ug/kg
LT-C-054-0-2-20140221	480-55157-27	FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	27	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		υ	1900	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	20	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ANTHRACENE	3/3/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	58	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	180	7.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLOROANILINE	3/3/2014		Yes	N	U		υ	180	54	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACENAPHTHENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
LT-C-054-2-4-20140221	480-55157-28	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZALDEHYDE	3/3/2014		Yes	N	U		U	180	20	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	180	3,1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	180	4.4	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	3.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	180	1.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	υ		U	180	12	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	45	ug/kg
LT-C-054-2-4-20140221	480-55157-28	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	42	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		υ	180	2.2	ug/kg
LT-C-054-2-4-20140221	480-55157 - 28	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	υ		U	180	5.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-NITROPHENOL	3/3/2014		Yes	N	U		U	180	8.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	20	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	28	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-054-2-4-20140221	480-55157-28	FLUORENE	3/3/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	55	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROETHANE	3/3/2014		Yes	N	U		υ	180	14	ug/kg
LT-C-054-2-4-20140221	480-55157-28	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	180	5.0	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	<u>MDL</u>	Units
LT-C-054-2-4-20140221	480-55157-28	FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	NAPHTHALENE	3/3/2014		Yes	N	U		υ	180	3.0	ug/kg
LT-C-054-2-4-20140221	480-55157-28	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	3.9	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PHENANTHRENE	3/3/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PHENOL	3/3/2014		Yes	N	U		υ	180	19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PYRENE	3/3/2014	32	Yes	Υ	J		J	180	1.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ISOPHORONE	3/3/2014		Yes	N	U		υ	180	9.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		υ	180	19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-054-2-4-20140221	480-55157-28	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	180	4.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	180	16	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	180	59	ug/kg
LT-C-054-2-4-20140221	480-55157-28	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
LT-C-054-2-4-20140221	480-55157-28	CARBAZOLE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIBENZOFURAN	3/3/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	CHRYSENE	3/3/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	180	59	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	180	4.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CARBAZOLE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	3.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CHRYSENE	3/3/2014	30	Yes	Υ	J		J	180	1.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIBENZOFURAN	3/3/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
LT-C-057-0-2-20140221	480 - 55157-29	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	180	3.2	ug/kg

Analytical Method SW					_				_		
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val	Qual Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	180	4.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-NITROPHENOL	3/3/2014		Yes	N	U	U	180	8.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-NITROANILINE	3/3/2014		Yes	N	U	U	360	20	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U	U	360	10	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	180	3.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLOROANILINE	3/3/2014		Yes	N	U	U	180	54	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U	U	180	7.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	υ	180	58	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U	U	360	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DINITROPHENOL	3/3/2014		Yes	N	U	U	360	64	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	180	16	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACENAPHTHYLENE	3/3/2014		Yes	N	U	U	180	1.5	ug/kg
LT-C-057-0-2-20140221	480-55157 - 29	BENZALDEHYDE	3/3/2014		Yes	N	U	U	180	20	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U	U	180	5.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	υ	180	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	180	9.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U	U	180	12	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	180	45	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U	U	180	28	ug/kg
LT-C-057-0-2-20140221	480-55157-29	3-NITROANILINE	3/3/2014		Yes	N	U	U	360	42	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PYRENE	3/3/2014	49	Yes	Υ	J	J	180	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	FLUORENE	3/3/2014		Yes	N	U	U	180	4.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	180	9.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	180	9.3	ug/kg

Analytical Method SW	8270D					-						
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	55	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-057-0-2-20140221	480-55157-29	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	180	5.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ISOPHORONE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	44	ug/kg
LT-C-057-0-2-20140221	480-55157-29	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACENAPHTHENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-057-0-2-20140221	480-55157-29	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PENTACHLOROPHENOL	3/3/2014		Yes	N	υ		U	360	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PHENANTHRENE	3/3/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PHENOL	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ANTHRACENE	3/3/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-C-057-0-2-20140221	480-55157-29	NAPHTHALENE	3/3/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	67	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	Ų		υ	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qua	f Final qual	RL	MDL.	Units
LT-C-057-2-4-20140221	480-55157-30	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	66	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-NITROPHENOL	3/3/2014		Yes	N	U	U	370	46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIBENZOFURAN	3/3/2014		Yes	N	U	U	190	2.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIBENZ(A,H)ANTHRACENE	3/3/2014	90	Yes	Υ	j	J	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	FLUORANTHENE	3/3/2014	1200	Yes	Υ			190	2.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	190	170	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-NITROANILINE	3/3/2014		Yes	N	U	U	370	21	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U	U	370	11	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	190	4.1	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLOROANILINE	3/3/2014		Yes	N	U	U	190	56	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U	U	190	7.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U ·	190	60	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	29	ug/kg
LT-C-057-2-4-20140221	480-55157-30	3-NITROANILINE	3/3/2014		Yes	N	U	υ	370	44	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	47	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-NITROPHENOL	3/3/2014		Yes	N	U	U	190	8.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-NITROANILINE	3/3/2014		Yes	N	U	U	370	61	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U	U	190	5.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	U	190	2.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	190	9.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	CAPROLACTAM	3/3/2014		Yes	N	U	υ	190	82	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U	U	370	66	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(A)ANTHRACENE	3/3/2014	580	Yes	Υ			190	3.3	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL.	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	CHRYSENE	3/3/2014	690	Yes	Υ				190	1.9	ug/kg
LT-C-057-2-4-20140221	480-55157-30	INDENO(1,2,3-C,D)PYRENE	3/3/2014	380	Yes	Υ				190	5.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	57	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		υ	190	9.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(A)PYRENE	3/3/2014	530	Yes	Υ				190	4.6	ug/kg
LT-C-057-2-4-20140221	480-55157 - 30	NITROBENZENE	3/3/2014		Yes	N	U		υ	190	8.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACENAPHTHENE	3/3/2014	92	Yes	Υ	J		J	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACENAPHTHYLENE	3/3/2014	32	Yes	Υ	J		J	190	1.6	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACETOPHENONE	3/3/2014		Yes	N	U		υ	190	9.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PYRENE	3/3/2014	2100	Yes	Υ				190	1.2	ug/kg
LT-C-057-2-4-20140221	480-55157 - 30	ANTHRACENE	3/3/2014	72	Yes	Υ	J		J	190	4.9	ug/kg
LT-C-057-2-4-20140221	480-55157-30	FLUORENE	3/3/2014	12	Yes	Υ	J		J	190	4.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(G,H,I)PERYLENE	3/3/2014	370	Yes	Υ				190	2.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ATRAZINE	3/3/2014		Yes	N	U		υ	190	8.5	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	61	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-057-2-4-20140221	480-55157 - 30	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	BENZO(K)FLUORANTHENE	3/3/2014	330	Yes	Υ				190	2.1	ug/kg
LT-C-057-2-4-20140221	480-55157-30	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(B)FLUORANTHENE	3/3/2014	660	Yes	Υ				190	3.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PHENANTHRENE	3/3/2014	1200	Yes	Υ				190	4.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
LT-C-057-2-4-20140221	480-55157-30	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		υ	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-C-057-6-8-20140221	480-55157-31	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	81	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(K)FLUORANTHENE	3/3/2014	200	Yes	Υ				190	2.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIBENZOFURAN	3/3/2014		Yes	N	υ		U	190	1.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	FLUORENE	3/3/2014		Yes	N	U		υ	190	4.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U .	190	9.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		υ	190	60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	υ		U	190	20	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RI.	MDL.	Units
LT-C-057-6-8-20140221	480-55157-31	CHRYSENE	3/3/2014	380	Yes	Υ				190	1.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PYRENE	3/3/2014	1000	Yes	Υ				190	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PHENANTHRENE	3/3/2014	66	Yes	Υ	J		J	190	3.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	64	ug/kg
LT-C-057-6-8-20140221	480-55157-31	FLUORANTHENE	3/3/2014	390	Yes	Υ				190	2.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	INDENO(1,2,3-C,D)PYRENE	3/3/2014	190	Yes	Υ				190	5.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		υ	190	57	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		υ	190	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		υ	190	46	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	3-NITROANILINE	3/3/2014		Yes	N	υ		U	370	43	ug/kg
LT-C-057-6-8-20140221	480-55157-31	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	160	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual Val Qu	al Final qual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DINITROPHENOL	3/3/2014		Yes	N	U	U	370	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	29	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(G,H,I)PERYLENE	3/3/2014	220	Yes	Υ			190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U	U	190	51	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	12	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	41	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	U	190	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZALDEHYDE	3/3/2014		Yes	N	U	U	190	21	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(B)FLUORANTHENE	3/3/2014	330	Yes	Υ			190	3.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	9.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	Ν	U	U	190	7.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(A)ANTHRACENE	3/3/2014	330	Yes	Υ			190	3.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ATRAZINE	3/3/2014		Yes	N	U	U	190	8.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ANTHRACENE	3/3/2014		Yes	N	U	U	190	4.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACETOPHENONE	3/3/2014		Yes	N	U	U	190	9.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACENAPHTHYLENE	3/3/2014	56	Yes	Υ	J	J	190	1.5	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	190	4.0	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-NITROPHENOL	3/3/2014		Yes	N	U	U	370	45	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-NITROANILINE	3/3/2014		Yes	N	U	U	370	21	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U	U	370	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLOROANILINE	3/3/2014		Yes	N	U	U	190	55	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACENAPHTHENE	3/3/2014	41	Yes	Υ	J	J	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(A)PYRENE	3/3/2014	320	Yes	Υ			190	4.5	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report_	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	4000	710	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	2100	84	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	2100	600	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2100	44	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ANTHRACENE	3/3/2014	200	Yes	Υ	J		J	2100	52	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	4000	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-NITROPHENOL	3/3/2014		Yes	N	U		υ	4000	500	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACENAPHTHENE	3/3/2014	850	Yes	Υ	J		J	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	2100	17	ug/kg
LT-G-026-0-2-20140221	480-55157-18	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	2100	1800	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACETOPHENONE	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	4000	720	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-NITROANILINE	3/3/2014		Yes	N	U		U	4000	230	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-NITROPHENOL	3/3/2014		Yes	N	U		U	2100	94	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-NITROANILINE	3/3/2014		Yes	N	U		U	4000	660	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	2100	63	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	2100	25	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	2100	140	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2100	320	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		υ	2100	550	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	140	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	450	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2100	650	ug/kg

Analytical Method SW	8270D			•							
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL_	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	ATRAZINE	3/3/2014		Yes	N	U	U	2100	91	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	2100	500	ug/kg
LT-G-026-0-2-20140221	480-55157-18	NITROBENZENE	3/3/2014		Yes	N	U	U	2100	91	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	2100	710	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	2100	48	ug/kg
LT-G-026-0-2-20140221	480-55157-18	FLUORANTHENE	3/3/2014	1100	Yes	Υ	J	J	2100	30	ug/kg
LT-G-026-0-2-20140221	480-55157-18	FLUORENE	3/3/2014	88	Yes	Υ	j	J	2100	47	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	υ	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	2100	620	ug/kg
LT-G-026-0-2-20140221	480-55157-18	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	U	2100	57	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	2100	53	ug/kg
LT-G-026-0-2-20140221	480-55157-18	NAPHTHALENE	3/3/2014	35	Yes	Υ	J	J	2100	34	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	2100	160	ug/kg
LT-G-026-0-2-20140221	480-55157-18	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	U	4000	700	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PHENANTHRENE	3/3/2014	590	Yes	Υ	J	J	2100	43	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PHENOL	3/3/2014		Yes	N	U	U	2100	220	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PYRENE	3/3/2014	1900	Yes	Υ	J	J	2100	13	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZALDEHYDE	3/3/2014		Yes	N	U	U	2100	220	ug/kg
LT-G-026-0-2-20140221	480-55157-18	3-NITROANILINE	3/3/2014		Yes	N	U	U	4000	470	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ISOPHORONE	3/3/2014		Yes	N	U	U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	U	2100	23	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(A)ANTHRACENE	3/3/2014	640	Yes	Υ	J	J	2100	35	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(A)PYRENE	3/3/2014	590	Yes	Υ	J	J	2100	49	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROETHANE	3/3/2014		Yes	N	U	U	2100	160	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(G,H,I)PERYLENE	3/3/2014	410	Yes	Υ	J	J	2100	25	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	2100	550	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	υ	2100	130	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U	U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	υ	U	2100	180	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	2100	210	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	U	2100	660	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CAPROLACTAM	3/3/2014		Yes	N	U	U	2100	890	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CARBAZOLE	3/3/2014		Yes	N	U	U	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	U	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CHRYSENE	3/3/2014	780	Yes	Υ	J	J	2100	20	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIBENZOFURAN	3/3/2014		Yes	N	U	U	2100	21	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	U	2100	62	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U	U	2100	40	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	190	4.3	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CARBAZOLE	3/3/2014		Yes	N	U	U	190	2.1	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CHRYSENE	3/3/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ATRAZINE .	3/3/2014		Yes	N	Ŭ	U	190	8.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIBENZOFURAN	3/3/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ANTHRACENE	3/3/2014		Yes	N	U	U	190	4.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	64	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U	U	190	16	ug/kg
LT-G-026-4-6-20140221	480-55157-19	FLUORANTHENE	3/3/2014		Yes	N	U	U	190	2.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	FLUORENE	3/3/2014		Yes	N	U	U	190	4.3	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	190	9.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	υ	190	56	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	4.8	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U	U	190	3.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-NITROPHENOL	3/3/2014		Yes	N	U	U	190	8.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROETHANE	3/3/2014		Yes	N	U	υ	190	14	ug/kg
LT-G-026-4-6-20140221	480-55157 - 19	ACENAPHTHENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ACENAPHTHYLENE	3/3/2014		Yes	N	U	U	190	1.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U	U	190	3.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	U	190	60	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ACETOPHENONE	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CAPROLACTAM	3/3/2014		Yes	N	U	U	190	80	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZALDEHYDE	3/3/2014		Yes	N	U	U	190	20	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	U	190	2.0	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	50	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	υ	U	190	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	190	19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(A)PYRENE	3/3/2014		Yes	N	υ	U	190	4.5	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	<u>Val Qual</u> Final q	ial RL	<u>M</u> DL	Units
LT-G-026-4-6-20140221	480-55157-19	PENTACHLOROPHENOL	3/3/2014		Yes	N	υ	U	360	63	ug/kg
LT-G-026-4-6-20140221	480-55157-19	3-NITROANILINE	3/3/2014		Yes	N	U	U	360	43	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U	U	190	5.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	40	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PYRENE	3/3/2014		Yes	N	U	U	190	1.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	190	160	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PHENANTHRENE	3/3/2014		Yes	N	U	U	190	3.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-NITROPHENOL	3/3/2014		Yes	N	U	U	360	45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	190	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	190	15	ug/kg
LT-G-026-4-6-20140221	480-55157-19	NITROBENZENE	3/3/2014		Yes	N	U	U	190	8.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	NAPHTHALENE	3/3/2014		Yes	N	U	U	190	3.1	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ISOPHORONE	3/3/2014		Yes	N	U	U	190	9.3	ug/kg
LT-G-026-4-6-20140221	480-55157 - 19	2-NITROANILINE	3/3/2014		Yes	N	U	U	360	59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PHENOL	3/3/2014		Yes	N	U	U	190	19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-NITROANILINE	3/3/2014		Yes	N	U	U	360	21	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	190	9.4	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U	U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U	U	190	29	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DINITROPHENOL	3/3/2014		Yes	N	U	U	360	65	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U	U	190	9.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	U	190	5.1	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Repo</u> rt	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	54	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	44	ug/kg
LT-G-026-6-8-20140221	480-55157-20	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	170	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-CHLOROPHENOL	3/3/2014		Yes	N	U		υ	190	9.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	47	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	30	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	67	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	52	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	42	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	61	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		υ	190	62	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	3.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	190	4.6	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CHRYSENE	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ANTHRACENE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.6	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACENAPHTHENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	υ		U	370	11	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	61	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	υ		U	190	3.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PYRENE	3/3/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg

Analytical Method SW	3270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	al Qual Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	PHENANTHRENE	3/3/2014		Yes	N	U	U	190	4.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PENTACHLOROPHENOL	3/3/2014		Yes	N	υ	U	370	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	υ	190	15	ug/kg
LT-G-026-6-8-20140221	480-55157-20	NITROBENZENE	3/3/2014		Yes	N	υ	U	190	8.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	NAPHTHALENE	3/3/2014		Yes	N	U	U	190	3.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ISOPHORONE	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	υ	190	5.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CAPROLACTAM	3/3/2014		Yes	N	υ	U	190	83	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	U	190	58	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CARBAZOLE	3/3/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROBENZENE	3/3/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	FLUORENE	3/3/2014		Yes	N	υ	U	190	4.4	ug/kg
LT-G-026-6-8-20140221	480-55157-20	FLUORANTHENE	3/3/2014		Yes	N	U	U	190	2.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U	U	190	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	U	190	5.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIBENZOFURAN	3/3/2014		Yes	N	U	U	190	2.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	Ν	U	U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	190	4.1	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROETHANE	3/3/2014		Yes	N	U	U	190	15	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-NITROANILINE	3/3/2014		Yes	N	U	U	370	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	U	200	170	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U	U	200	13	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	υ		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	69	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DINITROTOLUENE	3/3/2014		Yes	Ν	U		υ	200	30	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-CHLOROPHENOL	3/3/2014		Yes	N	U		υ	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-METHYLNAPHTHALENE	3/3/2014	16	Yes	Υ	J		J	200	2.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(A)PYRENE	3/3/2014	130	Yes	Υ	J		j	200	4.7	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
LT-G-027-0-2-20140221	480-55157-21	3-NITROANILINE	3/3/2014		Yes	N	υ		U	380	45	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PYRENE	3/3/2014	300	Yes	Υ				200	1.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(K)FLUORANTHENE	3/3/2014	58	Yes	Υ	J		J	200	2.2	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(G,H,I)PERYLENE	3/3/2014	100	Yes	Υ	J		J	200	2.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(B)FLUORANTHENE	3/3/2014	170	Yes	Υ	J		J	200	3.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROETHANE	3/3/2014		Yes	Ν	U		U	200	15	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIBENZOFURAN	3/3/2014	13	Yes	Υ	J		J	200	2.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	Ν	U		U	200	68	ug/kg

Analytical Method SW	3270D					-						
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg
LT-G-027-0-2-20140221	480-55157-21	FLUORANTHENE	3/3/2014	180	Yes	Υ	J		J	200	2.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	FLUORENE	3/3/2014	23	Yes	Υ	J		J	200	4.5	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PHENANTHRENE	3/3/2014	190	Yes	Υ	J		J	200	4.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	INDENO(1,2,3-C,D)PYRENE	3/3/2014	100	Yes	Υ	J		J	200	5.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	NAPHTHALENE	3/3/2014	27	Yes	Υ	J		J	200	3.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CHRYSENE	3/3/2014	150	Yes	Υ	J		J	200	2.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CARBAZOLE	3/3/2014	14	Yes	Υ	J		J	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
LT-G-027-0-2-20140221	480-55157-21	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	υ		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(A)ANTHRACENE	3/3/2014	140	Yes	Υ	J		J	200	3.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	υ		U	200	6.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		υ	200	4.2	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	380	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-NITROANILINE	3/3/2014		Yes	N	U		U	380	22	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ANTHRACENE	3/3/2014	43	Yes	Υ	J		J	200	5.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	73	Yes	Υ	J		J	200	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	85	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACENAPHTHENE	3/3/2014	18	Yes	Υ	J		J	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACENAPHTHYLENE	3/3/2014	11	Yes	Υ	J		J	200	1.6	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(A)ANTHRACENE	3/3/2014	970	Yes	Υ		J	J	190	3.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(A)PYRENE	3/3/2014	900	Yes	Υ		J	J	190	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(G,H,I)PERYLENE	3/3/2014	630	Yes	Υ		J	J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(B)FLUORANTHENE	3/3/2014	1000	Yes	Υ		J	J	190	3.6	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	ACENAPHTHENE	3/3/2014	96	Yes	Υ	J		J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ACENAPHTHYLENE	3/3/2014	16	Yes	Υ	J		J	190	1.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-G-027-2-4-20140221	480-55157-22	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ANTHRACENE	3/3/2014	190	Yes	Υ				190	4.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	UJ	ΠΊ	190	5.6	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PHENANTHRENE	3/3/2014	1000	Yes	Υ				190	3.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		υ	190	5.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PYRENE	3/3/2014	2800	Yes	Υ				190	1.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(K)FLUORANTHENE	3/3/2014	500	Yes	Υ		J	J	190	2.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-NITROANILINE	3/3/2014		Yes	N	U		υ	360	60	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	190	160	ug/kg
LT-G-027-2-4-20140221	480-55157-22	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	43	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	υ		U	360	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	59	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.7	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIBENZ(A,H)ANTHRACENE	3/3/2014	140	Yes	Υ	J	J	J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	60	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	80	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CHRYSENE	3/3/2014	940	Yes	Υ		J	J	190	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	INDENO(1,2,3-C,D)PYRENE	3/3/2014	630	Yes	Υ		J	J	190	5.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	IJ	190	4.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	FLUORANTHENE	3/3/2014	1500	Yes	Υ				190	2.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	FLUORENE	3/3/2014	40	Yes	Υ	J		J	190	4.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	65	ug/kg

Analytical Method SW	3270D									
Sample ID	Lab Sample D	Chemical Name	Anal Date Result	Report	Detect	Lab Qual Val	Qual Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	2,4-DIMETHYLPHENOL	3/3/2014	Yes	N	U	U	190	50	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIPHENYL (DIPHENYL)	3/3/2014	Yes	N	U	U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4,6-TRICHLOROPHENOL	3/3/2014	Yes	N	U	U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DICHLOROPHENOL	3/3/2014	Yes	N	U	U	190	9.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4,5-TRICHLOROPHENOL	3/3/2014	Yes	N	U	U	190	41	ug/kg
LT-G-027-8-10-20140221	480-55157-23	NAPHTHALENE	3/3/2014	Yes	N	U	U	220	3.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROBUTADIENE	3/3/2014	Yes	N	U	U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROCYCLOPENTADIENE	3/3/2014	Yes	N	U	U	220	66	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROETHANE	3/3/2014	Yes	N	U	U	220	17	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ISOPHORONE	3/3/2014	Yes	N	U	U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	INDENO(1,2,3-C,D)PYRENE	3/3/2014	Yes	N	U	U	220	6.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROBENZENE	3/3/2014	Yes	N	U	U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DI-N-OCTYLPHTHALATE	3/3/2014	Yes	N	U	U	220	5.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	NITROBENZENE	3/3/2014	Yes	N	U	U	220	9.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	FLUORANTHENE	3/3/2014	Yes	N	U	U	220	3.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/3/2014	Yes	N	U	U	220	19	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIBENZ(A,H)ANTHRACENE	3/3/2014	Yes	N	U	U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIBENZOFURAN	3/3/2014	Yes	N	U	U	220	2.3	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIETHYL PHTHALATE	3/3/2014	Yes	Ν	U	U	220	6.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	FLUORENE	3/3/2014	Yes	N	U	U	220	5.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CAPROLACTAM	3/3/2014	Yes	N	U	U	220	94	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PYRENE	3/3/2014	Yes	N	U	U	220	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4,5-TRICHLOROPHENOL	3/3/2014	Yes	N	U	U	220	47	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4,6-TRICHLOROPHENOL	3/3/2014	Yes	N	U	U	220	14	ug/kg

Analytical Method SW82	270D										
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U	U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U	U	220	59	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DINITROPHENOL	3/3/2014		Yes	N	U	U	420	76	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PENTACHLOROPHENOL	3/3/2014		Yes	N	U	U	420	74	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CARBAZOLE	3/3/2014		Yes	N	U	U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U	U	220	17	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	U	220	70	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U	U	220	23	ug/kg
L.T-G-027-8-10-20140221	480-55157-23	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	U	220	2.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PHENANTHRENE	3/3/2014		Yes	N	υ	U	220	4.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U	U	220	5.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U	U	220	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CHRYSENE	3/3/2014		Yes	N	U	υ	220	2.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-NITROPHENOL	3/3/2014		Yes	N	U	U	220	9.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U	U	220	14	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U	U	420	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U	U	220	4.6	ug/kg
LT-G-027-8-10-20140221	480-55157 - 23	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U	U	220	15	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-CHLOROPHENOL	3/3/2014		Yes	N	U	U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157 - 23	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U	U	220	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-NITROPHENOL	3/3/2014		Yes	N	U	U	420	53	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-NITROANILINE	3/3/2014		Yes	N	U	U	420	70	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACENAPHTHENE	3/3/2014		Yes	N	υ	U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	υ	220	190	ug/kg
LT-G-027-8-10-20140221	480-55157-23	3-NITROANILINE	3/3/2014		Yes	N	U	U	420	50	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quai	Final qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	420	75	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	220	69	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	220	8.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	220	64	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	220	6.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZALDEHYDE	3/3/2014		Yes	N	U		U	220	24	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	220	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PHENOL	3/3/2014		Yes	N	U		U	220	23	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N`	U		U	220	58	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	220	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	220	4.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-NITROANILINE	3/3/2014		Yes	N	U		U	420	24	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(A)ANTHRACENE	3/3/2014		Yes	Ν	U		U	220	3.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	220	75	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ATRAZINE	3/3/2014		Yes	Ν	U		U	220	9.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ANTHRACENE	3/3/2014		Yes	N	U		U	220	5.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	220	34	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACETOPHENONE	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	220	53	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	220	1.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	220	5.2	ug/kg

Analytical Method	SW6010C											
Sample ID	Lab Sample 🗓	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679891A	4801679891A	NICKEL	3/3/2014		Yes	N	U		U	0.010	0.0013	mg/l
4801679891A	4801679891A	ZINC	3/3/2014	0.0019	Yes	Υ	J		J	0.010	0.0015	mg/l
4801679891A	4801679891A	THALLIUM	3/3/2014		Yes	N	U		U	0.020	0.010	mg/l
4801679891A	4801679891A	SODIUM	3/3/2014		Yes	N	U		U	1.0	0.32	mg/l
4801679891A	4801679891A	SILVER	3/3/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801679891A	4801679891A	POTASSIUM	3/3/2014		Yes	N	U		U	0.50	0.10	mg/l
4801679891A	4801679891A	VANADIUM	3/3/2014		Yes	N	U		U	0.0050	0.0015	mg/l
4801679891A	4801679891A	MANGANESE	3/3/2014	0.00122	Yes	Υ	J		J	0.0030	0.00040	mg/l
4801679891A	4801679891A	MAGNESIUM	3/3/2014		Yes	N	U		U	0.20	0.043	mg/l
4801679891A	4801679891A	LEAD	3/3/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801679891A	4801679891A	IRON	3/3/2014		Yes	N	U		U	0.050	0.019	mg/l
4801679891A	4801679891A	ANTIMONY	3/3/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801679891A	4801679891A	COBALT	3/3/2014		Yes	N	U		υ	0.0040	0.00063	mg/l
4801679891A	4801679891A	CHROMIUM, TOTAL	3/3/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801679891A	4801679891A	CALCIUM	3/3/2014	0.22	Yes	Υ	J		j	0.50	0.10	mg/l
4801679891A	4801679891A	CADMIUM	3/3/2014		Yes	N	U		υ	0.0010	0.00050	mg/l
4801679891A	4801679891A	BERYLLIUM	3/3/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801679891A	4801679891A	BARIUM	3/3/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801679891A	4801679891A	ARSENIC	3/3/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801679891A	4801679891A	COPPER	3/3/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801679891A	4801679891A	SELENIUM	3/3/2014		Yes	N	U		U	0.015	0.0087	mg/i
4801679891A	4801679891A	ALUMINUM	3/3/2014		Yes	N	U		U	0.20	0.060	mg/l
4801680351A	4801680351A	COPPER	3/4/2014		Yes	N	U		U	5.3	0.22	mg/kg
4801680351A	4801680351A	COBALT	3/4/2014		Yes	N	U		U	2.6	0.053	mg/kg
4801680351A	4801680351A	CHROMIUM, TOTAL	3/4/2014		Yes	N	υ		U	2.6	0.21	mg/kg

Analytical Method	SW6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
4801680351A	4801680351A	CALCIUM	3/4/2014	5.66	Yes	Υ	J		J	264	3.5	mg/kg
4801680351A	4801680351A	CADMIUM	3/4/2014		Yes	N	U		U	1.1	0.032	mg/kg
4801680351A	4801680351A	BERYLLIUM	3/4/2014		Yes	N	U		U	1.1	0.030	mg/kg
4801680351A	4801680351A	BARIUM	3/4/2014		Yes	N	U		U	2.6	0.12	mg/kg
4801680351A	4801680351A	ANTIMONY	3/4/2014		Yes	N	U		U	79.2	0.42	mg/kg
4801680351A	4801680351A	IRON	3/4/2014	3.41	Yes	Υ	J		J	52.8	1.2	mg/kg
4801680351A	4801680351A	ARSENIC	3/4/2014		Yes	N	U		U	10.6	0.42	mg/kg
4801680351A	4801680351A	LEAD	3/4/2014		Yes	N	υ		U	5.3	0.25	mg/kg
4801680351A	4801680351A	MAGNESIUM	3/4/2014		Yes	Ν	U		U	106	0.98	mg/kg
4801680351A	4801680351A	MANGANESE	3/4/2014	0.123	Yes	Υ	J		J	1.1	0.034	mg/kg
4801680351A	4801680351A	NICKEL	3/4/2014		Yes	N	U		U	26.4	0.24	mg/kg
4801680351A	4801680351A	POTASSIUM	3/4/2014		Yes	N	Ū		U	158	21.1	mg/kg
4801680351A	4801680351A	SELENIUM	3/4/2014		Yes	N	U		U	21.1	0.42	mg/kg
4801680351A	4801680351A	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
4801680351A	4801680351A	SODIUM	3/4/2014		Yes	N	U		U	739	13.7	mg/kg
4801680351A	4801680351A	THALLIUM	3/4/2014		Yes	N	U		U	31.7	0.32	mg/kg
4801680351A	4801680351A	ZINC	3/4/2014	0.401	Yes	Υ	J		J	10.6	0.16	mg/kg
4801680351A	4801680351A	ALUMINUM	3/4/2014		Yes	N	U		U	52.8	4.6	mg/kg
4801680351A	4801680351A	VANADIUM	3/4/2014		Yes	N	U		U	2.6	0.12	mg/kg
4801680361A	4801680361A	LEAD	3/5/2014		Yes	N	U		U	5.5	0.26	mg/kg
4801680361A	4801680361A	ZINC	3/5/2014	0.393	Yes	Υ	J		J	11.0	0.17	mg/kg
4801680361A	4801680361A	ANTIMONY	3/5/2014		Yes	N	U		U	82.7	0.44	mg/kg
4801680361A	4801680361A	ARSENIC	3/5/2014		Yes	N	U		U	11.0	0.44	mg/kg
4801680361A	4801680361A	BARIUM	3/5/2014		Yes	N	U		υ	2.8	0.12	mg/kg
4801680361A	4801680361A	BERYLLIUM	3/5/2014		Yes	N	U		U	1.1	0.031	mg/kg

Analytical Method S	W6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801680361A	4801680361A	CADMIUM	3/5/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801680361A	4801680361A	CALCIUM	3/5/2014	4.5	Yes	Υ	J		J	276	3.6	mg/kg
4801680361A	4801680361A	CHROMIUM, TOTAL	3/5/2014	0.617	Yes	Υ	J		J	2.8	0.22	mg/kg
4801680361A	4801680361A	COBALT	3/5/2014		Yes	N	U		U	2.8	0.055	mg/kg
4801680361A	4801680361A	IRON	3/5/2014	5.2	Yes	Υ	J		J	55.1	1.2	mg/kg
4801680361A	4801680361A	ALUMINUM	3/5/2014		Yes	N	U		U	55.1	4.9	mg/kg
4801680361A	4801680361A	MAGNESIUM	3/5/2014		Yes	N	U		U	110	1.0	mg/kg
4801680361A	4801680361A	MANGANESE	3/5/2014	0.152	Yes	Υ	J		J	1.1	0.035	mg/kg
4801680361A	4801680361A	NICKEL	3/5/2014	0.327	Yes	Υ	j		J	27.6	0.25	mg/kg
4801680361A	4801680361A	POTASSIUM	3/5/2014		Yes	N	U		U	165	22.1	mg/kg
4801680361A	4801680361A	SELENIUM	3/5/2014		Yes	N	U		U	22.1	0.44	mg/kg
4801680361A	4801680361A	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
4801680361A	4801680361A	SODIUM	3/5/2014		Yes	N	U		U	772	14.3	mg/kg
4801680361A	4801680361A	THALLIUM	3/5/2014		Yes	N	U		U	33.1	0.33	mg/kg
4801680361A	4801680361A	VANADIUM	3/5/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801680361A	4801680361A	COPPER	3/5/2014		Yes	N	U		U	5.5	0.23	mg/kg
DUP029-20140224	480-55212-10	NICKEL	3/4/2014	26	Yes	Υ	J		J	30.3	0.28	mg/kg
DUP029-20140224	480-55212-10	IRON	3/4/2014	17900	Yes	Υ	В	J	j	60.6	1.3	mg/kg
DUP029-20140224	480-55212-10	ZINC	3/4/2014	26.9	Yes	Υ	В	J	J	12.1	0.19	mg/kg
DUP029-20140224	480-55212-10	VANADIUM	3/4/2014	9.1	Yes	Υ		J	J	3.0	0.13	mg/kg
DUP029-20140224	480-55212-10	THALLIUM	3/4/2014		Yes	N	U		U	36.4	0.36	mg/kg
DUP029-20140224	480-55212-10	SODIUM	3/4/2014	35.5	Yes	Υ	J		J	849	15.8	mg/kg
DUP029-20140224	480-55212-10	SILVER	3/4/2014		Yes	N	υ		U	3.0	0.24	mg/kg
DUP029-20140224	480-55212-10	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
DUP029-20140224	480-55212-10	POTASSIUM	3/4/2014	603	Yes	Υ				182	24.3	mg/kg

Analytical Method	SW6010C									_		
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL.	MDL	Units
DUP029-20140224	480-55212-10	MAGNESIUM	3/4/2014	791	Yes	Υ				121	1.1	mg/kg
DUP029-20140224	480-55212-10	LEAD	3/4/2014	1.8	Yes	Υ	J		J	6.1	0.29	mg/kg
DUP029-20140224	480-55212-10	ALUMINUM	3/4/2014	2050	Yes	Υ				60.6	5.3	mg/kg
DUP029-20140224	480-55212-10	COPPER	3/4/2014	5.5	Yes	Υ	J		J	6.1	0.25	mg/kg
DUP029-20140224	480-55212-10	COBALT	3/4/2014	64.3	Yes	Υ				3.0	0.061	mg/kg
DUP029-20140224	480-55212-10	CHROMIUM, TOTAL	3/4/2014	8.8	Yes	Υ				3.0	0.24	mg/kg
DUP029-20140224	480-55212-10	CALCIUM	3/4/2014	590	Yes	Υ	В	J	J	303	4.0	mg/kg
DUP029-20140224	480-55212-10	CADMIUM	3/4/2014	0.089	Yes	Υ	J		J	1.2	0.036	mg/kg
DUP029-20140224	480-55212-10	BERYLLIUM	3/4/2014	0.15	Yes	Υ	j		J	1.2	0.034	mg/kg
DUP029-20140224	480-55212-10	BARIUM	3/4/2014	24.8	Yes	Υ		J	J	3.0	0.13	mg/kg
DUP029-20140224	480-55212-10	ARSENIC	3/4/2014	2.7	Yes	Υ	J		J	12.1	0.49	mg/kg
DUP029-20140224	480-55212-10	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	90.9	0.49	mg/kg
DUP029-20140224	480-55212-10	MANGANESE	3/4/2014	417	Yes	Υ	В	J	J	1.2	0.039	mg/kg
DUP030-20140224	480-55212-11	THALLIUM	3/4/2014		Yes	N	U		U	36.0	0.36	mg/kg
DUP030-20140224	480-55212-11	CADMIUM	3/4/2014	0.26	Yes	Υ	J		j	1.2	0.036	mg/kg
DUP030-20140224	480-55212-11	VANADIUM	3/4/2014	17.8	Yes	Υ				3.0	0.13	mg/kg
DUP030-20140224	480-55212-11	ZINC	3/4/2014	29.8	Yes	Υ	В	J	J	12.0	0.18	mg/kg
DUP030-20140224	480-55212-11	ALUMINUM	3/4/2014	5120	Yes	Υ				59.9	5.3	mg/kg
DUP030-20140224	480-55212-11	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	89.9	0.48	mg/kg
DUP030-20140224	480-55212-11	ARSENIC	3/4/2014	8.6	Yes	Υ	J		J	12.0	0.48	mg/kg
DUP030-20140224	480-55212-11	BERYLLIUM	3/4/2014	0.25	Yes	Υ	J		J	1.2	0.034	mg/kg
DUP030-20140224	480-55212-11	CALCIUM	3/4/2014	637	Yes	Υ	В	J	J	300	4.0	mg/kg
DUP030-20140224	480-55212-11	CHROMIUM, TOTAL	3/4/2014	18.4	Yes	Υ				3.0	0.24	mg/kg
DUP030-20140224	480-55212-11	COBALT	3/4/2014	8.7	Yes	Υ				3.0	0.060	mg/kg
DUP030-20140224	480-55212-11	COPPER	3/4/2014	10.2	Yes	Υ				6.0	0.25	mg/kg

Analytical Method	SW6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final gual	RL	MDL	Units
DUP030-20140224	480-55212-11	POTASSIUM	3/4/2014	1280	Yes	Υ				180	24.0	mg/kg
DUP030-20140224	480-55212-11	SODIUM	3/4/2014	34.3	Yes	Υ	J		J	839	15.6	mg/kg
DUP030-20140224	480-55212-11	BARIUM	3/4/2014	54.9	Yes	Υ		J	J	3.0	0.13	mg/kg
DUP030-20140224	480-55212-11	IRON	3/4/2014	33800	Yes	Υ	В	J	J	59.9	1.3	mg/kg
DUP030-20140224	480-55212-11	SELENIUM	3/4/2014		Yes	N	U		U	24.0	0.48	mg/kg
DUP030-20140224	480-55212-11	NICKEL	3/4/2014	15.6	Yes	Υ	J		J	30.0	0.28	mg/kg
DUP030-20140224	480-55212-11	MANGANESE	3/4/2014	541	Yes	Υ	В	J	j	1.2	0.038	mg/kg
DUP030-20140224	480-55212-11	MAGNESIUM	3/4/2014	1630	Yes	Υ				120	1.1	mg/kg
DUP030-20140224	480-55212-11	LEAD	3/4/2014	3.9	Yes	Υ	J		J	6.0	0.29	mg/kg
DUP030-20140224	480-55212-11	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
FB029-20140224	480-55212-30	COPPER	2/28/2014		Yes	N	U		U	0.010	0.0016	mg/l
FB029-20140224	480-55212-30	SILVER	2/28/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB029-20140224	480-55212-30	COBALT	2/28/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB029-20140224	480-55212-30	SELENIUM	2/28/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB029-20140224	480-55212-30	IRON	2/28/2014		Yes	N	U		U	0.050	0.019	mg/l
FB029-20140224	480-55212-30	LEAD	2/28/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB029-20140224	480-55212-30	MAGNESIUM	2/28/2014		Yes	N	U		U	0.20	0.043	mg/l
FB029-20140224	480-55212-30	VANADIUM	2/28/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB029-20140224	480-55212-30	SODIUM	2/28/2014		Yes	N	U		U	1.0	0.32	mg/l
FB029-20140224	480-55212-30	CHROMIUM, TOTAL	2/28/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB029-20140224	480-55212-30	NICKEL	2/28/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB029-20140224	480-55212-30	THALLIUM	2/28/2014		Yes	N	U		U	0.020	0.010	mg/l
FB029-20140224	480-55212-30	CALCIUM	2/28/2014		Yes	N	U		U	0.50	0.10	mg/l
FB029-20140224	480-55212-30	CADMIUM	2/28/2014		Yes	Ν	U		U	0.0010	0.00050	mg/l
FB029-20140224	480-55212-30	BERYLLIUM	2/28/2014		Yes	N	U		U	0.0020	0.00030	mg/l

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	BARIUM	2/28/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB029-20140224	480-55212-30	ARSENIC	2/28/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB029-20140224	480-55212-30	ANTIMONY	2/28/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB029-20140224	480-55212-30	MANGANESE	2/28/2014		Yes	N	U		U	0.0030	0.00040	mg/l
FB029-20140224	480-55212-30	POTASSIUM	2/28/2014		Yes	N	U		U	0.50	0.10	mg/l
FB029-20140224	480-55212-30	ZINC	2/28/2014	0.0021	Yes	Υ	BJ	U	U	0.010	0.0015	mg/l
FB029-20140224	480-55212-30	ALUMINUM	2/28/2014		Yes	N	U		U	0.20	0.060	mg/l
LT-C-060-0-2-20140224	480-55212-1	SELENIUM	3/4/2014		Yes	N	U		U	24.2	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-060-0-2-20140224	480-55212-1	THALLIUM	3/4/2014		Yes	N	U		U	36.3	0.36	mg/kg
LT-C-060-0-2-20140224	480-55212-1	VANADIUM	3/4/2014	18.3	Yes	Υ				3.0	0.13	mg/kg
LT-C-060-0-2-20140224	480-55212-1	SODIUM	3/4/2014	43.1	Yes	Υ	J		J	847	15.7	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CALCIUM	3/4/2014	385	Yes	Υ	В	J	J	303	4.0	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ZINC	3/4/2014	23.2	Yes	Υ	В	J	J	12.1	0.19	mg/kg
LT-C-060-0-2-20140224	480-55212-1	POTASSIUM	3/4/2014	515	Yes	Υ				182	24.2	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ARSENIC	3/4/2014	6.8	Yes	Υ	J		J	12.1	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	BARIUM	3/4/2014	63.6	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CADMIUM	3/4/2014	0.11	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CHROMIUM, TOTAL	3/4/2014	13.6	Yes	Υ				3.0	0.24	mg/kg
LT-C-060-0-2-20140224	480-55212 -1	COBALT	3/4/2014	8.9	Yes	Υ				3.0	0.061	mg/kg
LT-C-060-0-2-20140224	480-55212-1	NICKEL	3/4/2014	15.8	Yes	Υ	J		J	30.3	0.28	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ANTIMONY	3/4/2014	0.6	Yes	Υ	J	J	J	90.8	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	BERYLLIUM	3/4/2014	0.39	Yes	Υ	J		J	1.2	0.034	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ALUMINUM	3/4/2014	7440	Yes	Υ				60.5	5.3	mg/kg
LT-C-060-0-2-20140224	480-55212-1	COPPER	3/4/2014	9.8	Yes	Υ				6.1	0.25	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	MANGANESE	3/4/2014	426	Yes	Υ	В	j	J	1.2	0.039	mg/kg
LT-C-060-0-2-20140224	480-55212-1	MAGNESIUM	3/4/2014	1470	Yes	Υ				121	1.1	mg/kg
LT-C-060-0-2-20140224	480-55212-1	LEAD	3/4/2014	13.8	Yes	Υ				6.1	0.29	mg/kg
LT-C-060-0-2-20140224	480-55212-1	IRON	3/4/2014	18000	Yes	Υ	В	J	J	60.5	1.3	mg/kg
LT-C-060-4-6-20140224	480-55212-2	MANGANESE	3/4/2014	80.6	Yes	Υ	В	J	J	1.1	0.035	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-060-4-6-20140224	480-55212-2	COPPER	3/4/2014	11.2	Yes	Υ				5.4	0.23	mg/kg
LT-C-060-4-6-20140224	480-55212-2	IRON	3/4/2014	8400	Yes	Υ	В	J	J	54.1	1.2	mg/kg
LT-C-060-4-6-20140224	480-55212-2	LEAD	3/4/2014	4.3	Yes	Υ	J		J	5.4	0.26	mg/kg
LT-C-060-4-6-20140224	480-55212-2	MAGNESIUM	3/4/2014	2100	Yes	Υ				108	1.0	mg/kg
LT-C-060-4-6-20140224	480-55212-2	COBALT	3/4/2014	9.9	Yes	Υ				2.7	0.054	mg/kg
LT-C-060-4-6-20140224	480-55212-2	NICKEL	3/4/2014	11.9	Yes	Υ	J		J	27.0	0.25	mg/kg
LT-C-060-4-6-20140224	480-55212-2	POTASSIUM	3/4/2014	1370	Yes	Υ				162	21.6	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SELENIUM	3/4/2014	0.5	Yes	Υ	J		J	21.6	0.43	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SODIUM	3/4/2014	48.4	Yes	Υ	J		J	757	14.1	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CHROMIUM, TOTAL	3/4/2014	21	Yes	Υ				2.7	0.22	mg/kg
LT-C-060-4-6-20140224	480-55212-2	THALLIUM	3/4/2014		Yes	N	U		U	32.5	0.32	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ZINC	3/4/2014	27.1	Yes	Υ	В	J	J	10.8	0.17	mg/kg
LT-C-060-4-6-20140224	480-55212-2	VANADIUM	3/4/2014	19.4	Yes	Υ				2.7	0.12	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CALCIUM	3/4/2014	1220	Yes	Υ	В	J	J	270	3.6	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CADMIUM	3/4/2014	0.085	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-C-060-4-6-20140224	480-55212-2	BERYLLIUM	3/4/2014	0.12	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-C-060-4-6-20140224	480-55212-2	BARIUM	3/4/2014	24.7	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ARSENIC	3/4/2014	4.6	Yes	Υ	J		J	10.8	0.43	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	81.1	0.43	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	ALUMINUM	3/4/2014	4430	Yes	Υ				54.1	4.8	mg/kg
LT-C-060-8-10-20140224	480-55212-3	MAGNESIUM	3/4/2014	1780	Yes	Υ				121	1.1	mg/kg
LT-C-060-8-10-20140224	480-55212-3	MANGANESE	3/4/2014	818	Yes	Υ	В	J	J	1.2	0.039	mg/kg
LT-C-060-8-10-20140224	480-55212-3	NICKEL	3/4/2014	41.6	Yes	Υ				30.4	0.28	mg/kg
LT-C-060-8-10-20140224	480-55212-3	POTASSIUM	3/4/2014	1200	Yes	Υ				182	24.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-060-8-10-20140224	480-55212-3	LEAD	3/4/2014	2.3	Yes	Υ	J		J	6.1	0.29	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ANTIMONY	3/4/2014		Yes	N	U	บป	UJ	91.1	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CHROMIUM, TOTAL	3/4/2014	18.7	Yes	Υ				3.0	0.24	mg/kg
LT-C-060-8-10-20140224	480-55212-3	THALLIUM	3/4/2014		Yes	N	U		U	36.4	0.36	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SODIUM	3/4/2014	49.4	Yes	Υ	J		J	850	15.8	mg/kg
LT-C-060-8-10-20140224	480-55212-3	IRON	3/4/2014	21800	Yes	Υ	В	J	J	60.7	1.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ZINC	3/4/2014	35.9	Yes	Υ	В	J	J	12.1	0.19	mg/kg
LT-C-060-8-10-20140224	480-55212-3	VANADIUM	3/4/2014	15.9	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-C-060-8-10-20140224	480-55212-3	COBALT	3/4/2014	106	Yes	Υ				3.0	0.061	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CALCIUM	3/4/2014	815	Yes	Υ	В	J	J	304	4.0	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CADMIUM	3/4/2014	0.12	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-C-060-8-10-20140224	480-55212-3	BERYLLIUM	3/4/2014	0.17	Yes	Υ	J		J	1.2	0.034	mg/kg
LT-C-060-8-10-20140224	480-55212-3	BARIUM	3/4/2014	43.8	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ARSENIC	3/4/2014	2.5	Yes	Υ	J		J	12.1	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ALUMINUM	3/4/2014	3560	Yes	Υ				60.7	5.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	COPPER	3/4/2014	6.8	Yes	Υ				6.1	0.26	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CADMIUM	3/4/2014	0.12	Yes	Υ	J		J	1.3	0.038	mg/kg
LT-G-028-0-2-20140224	480-55212-4	LEAD	3/4/2014	14.2	Yes	Υ				6.4	0.31	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ZINC	3/4/2014	66.4	Yes	Υ	В	J	J	12.7	0.20	mg/kg
LT-G-028-0-2-20140224	480-55212-4	VANADIUM	3/4/2014	46.6	Yes	Υ				3.2	0.14	mg/kg
LT-G-028-0-2-20140224	480-55212-4	THALLIUM	3/4/2014		Yes	N	U		U	38.2	0.38	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SODIUM	3/4/2014	90.6	Yes	Υ	J		J	892	16.6	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SILVER	3/4/2014		Yes	N	U		υ	3.2	0.25	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SELENIUM	3/4/2014		Yes	N	U		U	25.5	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	POTASSIUM	3/4/2014	2840	Yes	Υ				191	25.5	mg/kg
LT-G-028-0-2-20140224	480-55212-4	NICKEL	3/4/2014	33.5	Yes	Υ				31.9	0.29	mg/kg
LT-G-028-0-2-20140224	480-55212-4	BARIUM	3/4/2014	196	Yes	Υ		J	J	3.2	0.14	mg/kg
LT-G-028-0-2-20140224	480-55212-4	MAGNESIUM	3/4/2014	6410	Yes	Υ				127	1.2	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ALUMINUM	3/4/2014	16400	Yes	Υ				63.7	5.6	mg/kg
LT-G-028-0-2-20140224	480-55212-4	IRON	3/4/2014	23500	Yes	Υ	В	J	J	63.7	1.4	mg/kg
LT-G-028-0-2-20140224	480-55212-4	COPPER	3/4/2014	25.6	Yes	Υ				6.4	0.27	mg/kg
LT-G-028-0-2-20140224	480-55212-4	COBALT	3/4/2014	18.3	Yes	Υ				3.2	0.064	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CHROMIUM, TOTAL	3/4/2014	34.3	Yes	Υ				3.2	0.25	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CALCIUM	3/4/2014	2130	Yes	Υ	В	J	J	319	4.2	mg/kg
LT-G-028-0-2-20140224	480-55212-4	BERYLLIUM	3/4/2014	0.88	Yes	Υ	J		J	1.3	0.036	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ARSENIC	3/4/2014	3.7	Yes	Υ	J		J	12.7	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	95.6	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	MANGANESE	3/4/2014	269	Yes	Υ	В	J	J	1.3	0.041	mg/kg
LT-G-028-4-6-20140224	480-55212-5	VANADIUM	3/4/2014	20.4	Yes	Υ				2.9	0.13	mg/kg
LT-G-028-4-6-20140224	480-55212-5	NICKEL	3/4/2014	16.7	Yes	Υ	J		J	28.7	0.26	mg/kg
LT-G-028-4-6-20140224	480-55212-5	MAGNESIUM	3/4/2014	2980	Yes	Υ				115	1.1	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ALUMINUM	3/4/2014	7760	Yes	Υ Υ				57.4	5.0	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ANTIMONY	3/4/2014		Yes	N	U	UJ	ΠΊ	86.1	0.46	mg/kg

Analytical Method SW	6010C											_
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	ARSENIC	3/4/2014	2.6	Yes	Υ	J		J	11.5	0.46	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SODIUM	3/4/2014	74.8	Yes	Υ	J		J	803	14.9	mg/kg
LT-G-028-4-6-20140224	480-55212-5	THALLIUM	3/4/2014		Yes	N	υ		U	34.4	0.34	mg/kg
LT-G-028-4-6-20140224	480-55212-5	MANGANESE	3/4/2014	161	Yes	Υ	В	J	J	1.1	0.037	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SELENIUM	3/4/2014		Yes	N	U		U	22.9	0.46	mg/kg
LT-G-028-4-6-20140224	480-55212-5	BARIUM	3/4/2014	50.3	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ZINC	3/4/2014	46.5	Yes	Υ	В	J	J	11.5	0.18	mg/kg
LT-G-028-4-6-20140224	480-55212-5	LEAD	3/4/2014	8.3	Yes	Υ				5.7	0.28	mg/kg
LT-G-028-4-6-20140224	480-55212-5	IRON	3/4/2014	11500	Yes	Υ	В	J	J	57.4	1.3	mg/kg
LT-G-028-4-6-20140224	480-55212-5	COPPER	3/4/2014	15.2	Yes	Υ				5.7	0.24	mg/kg
LT-G-028-4-6-20140224	480-55212-5	COBALT	3/4/2014	7.7	Yes	Υ				2.9	0.057	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CHROMIUM, TOTAL	3/4/2014	19.7	Yes	Υ				2.9	0.23	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CALCIUM	3/4/2014	1700	Yes	Υ	В	J	J	287	3.8	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CADMIUM	3/4/2014	0.078	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-028-4-6-20140224	480-55212-5	BERYLLIUM	3/4/2014	0.43	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-028-4-6-20140224	480-55212-5	POTASSIUM	3/4/2014	1180	Yes	Υ				172	22.9	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ARSENIC	3/4/2014	2.5	Yes	Υ	J		J	11.3	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	BARIUM	3/4/2014	79	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CHROMIUM, TOTAL	3/4/2014	20.2	Yes	Υ				2.8	0.23	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SELENIUM	3/4/2014		Yes	N	U		U	22.6	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	BERYLLIUM	3/4/2014	0.67	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CADMIUM	3/4/2014	0.12	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ALUMINUM	3/4/2014	10300	Yes	Υ				56.5	5.0	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ZINC	3/4/2014	49.8	Yes	Υ	В	J	J	11.3	0.17	mg/kg

Analytical Method SW	5010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	VANADIUM	3/4/2014	26.8	Yes	Υ				2.8	0.12	mg/kg
LT-G-028-8-10-20140224	480-55212-6	THALLIUM	3/4/2014		Yes	N	U		U	33.9	0.34	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-028-8-10-20140224	480-55212-6	POTASSIUM	3/4/2014	2270	Yes	Υ				169	22.6	mg/kg
LT-G-028-8-10-20140224	480-55212-6	NICKEL	3/4/2014	24.1	Yes	Υ	J		J	28.2	0.26	mg/kg
LT-G-028-8-10-20140224	480-55212-6	MANGANESE	3/4/2014	1100	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	84.7	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	LEAD	3/4/2014	11.4	Yes	Υ				5.6	0.27	mg/kg
LT-G-028-8-10-20140224	480-55212-6	IRON	3/4/2014	30800	Yes	Υ	В	J	J	56.5	1.2	mg/kg
LT-G-028-8-10-20140224	480-55212-6	COPPER	3/4/2014	21.4	Yes	Υ				5.6	0.24	mg/kg
LT-G-028-8-10-20140224	480-55212-6	COBALT	3/4/2014	11.4	Yes	Υ				2.8	0.056	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CALCIUM	3/4/2014	4130	Yes	Υ	В	J	J	282	3.7	mg/kg
LT-G-028-8-10-20140224	480-55212-6	MAGNESIUM	3/4/2014	5710	Yes	Υ				113	1.0	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SODIUM	3/4/2014	116	Yes	Υ	J		J	791	14.7	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SODIUM	3/4/2014	30.4	Yes	Υ	J		J	813	15.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SELENIUM	3/4/2014		Yes	N	U		U	23.2	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CHROMIUM, TOTAL	3/4/2014	11.1	Yes	Υ				2.9	0.23	mg/kg
LT-G-029-0-2-20140224	480-55212-7	POTASSIUM	3/4/2014	761	Yes	Υ				174	23.2	mg/kg
LT-G-029-0-2-20140224	480-55212-7	NICKEL	3/4/2014	7	Yes	Υ	J		J	29.0	0.27	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CALCIUM	3/4/2014	523	Yes	Υ	В	J	J	290	3.8	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CADMIUM	3/4/2014	0.087	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-029-0-2-20140224	480-55212-7	THALLIUM	3/4/2014		Yes	N	U		υ	34.8	0.35	mg/kg
LT-G-029-0-2-20140224	480-55212-7	MAGNESIUM	3/4/2014	1340	Yes	Υ				116	1.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	BERYLLIUM	3/4/2014	0.19	Yes	Υ	J		J	1.2	0.033	mg/kg

SDG: 480552121

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	VANADIUM	3/4/2014	15.6	Yes	Υ				2.9	0.13	mg/kg
LT-G-029-0-2-20140224	480-55212-7	COPPER	3/4/2014	8.3	Yes	Υ				5.8	0.24	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ZINC	3/4/2014	21.2	Yes	Υ	В	J	J	11.6	0.18	mg/kg
LT-G-029-0-2-20140224	480-55212-7	IRON	3/4/2014	9740	Yes	Υ	В	J	J	58.0	1.3	mg/kg
LT-G-029-0-2-20140224	480-55212-7	MANGANESE	3/4/2014	198	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ANTIMONY	3/4/2014	0.66	Yes	Υ	J	J	J	87.1	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	COBALT	3/4/2014	5.1	Yes	Υ				2.9	0.058	mg/kg
LT-G-029-0-2-20140224	480-55212-7	LEAD	3/4/2014	6.7	Yes	Υ				5.8	0.28	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ARSENIC	3/4/2014	3	Yes	Υ	J		J	11.6	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ALUMINUM	3/4/2014	6000	Yes	Υ				58.0	5.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	BARIUM	3/4/2014	29.1	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	COBALT	3/4/2014	6.2	Yes	Υ				3.0	0.060	mg/kg
LT-G-029-2-4-20140224	480-55212-8	THALLIUM	3/4/2014		Yes	N	U		U	35.9	0.36	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SELENIUM	3/4/2014	0.51	Yes	Υ	J		J	24.0	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	POTASSIUM	3/4/2014	1370	Yes	Υ				180	24.0	mg/kg
LT-G-029-2-4-20140224	480-55212-8	NICKEL	3/4/2014	9.9	Yes	Υ	J		J	29.9	0.28	mg/kg
LT-G-029-2-4-20140224	480-55212-8	MANGANESE	3/4/2014	225	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-G-029-2-4-20140224	480-55212-8	MAGNESIUM	3/4/2014	2050	Yes	Υ				120	1.1	mg/kg
LT-G-029-2-4-20140224	480-55212-8	LEAD	3/4/2014	7.8	Yes	Υ				6.0	0.29	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ZINC	3/4/2014	27.3	Yes	Υ	В	J	J	12.0	0.18	mg/kg
LT-G-029-2-4-20140224	480-55212-8	COPPER	3/4/2014	16	Yes	Υ	,			6.0	0.25	mg/kg
LT-G-029-2-4-20140224	480-55212-8	VANADIUM	3/4/2014	17.7	Yes	Υ				3.0	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	CHROMIUM, TOTAL	3/4/2014	13.4	Yes	Υ				3.0	0.24	mg/kg
LT-G-029-2-4-20140224	480-55212-8	CALCIUM	3/4/2014	1250	Yes	Υ	В	J	J	299	4.0	mg/kg

Analytical Method SW	6010C					•						
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	CADMIUM	3/4/2014	0.12	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-G-029-2-4-20140224	480-55212-8	BERYLLIUM	3/4/2014	0.29	Yes	Υ	J		J	1.2	0.034	mg/kg
LT-G-029-2-4-20140224	480-55212-8	BARIUM	3/4/2014	45.7	Yes	Υ		J	J	3.0	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ARSENIC	3/4/2014	5	Yes	Υ	J		J	12.0	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ANTIMONY	3/4/2014	0.67	Yes	Υ	j	J	J	89.8	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ALUMINUM	3/4/2014	6420	Yes	Υ				59.9	5.3	mg/kg
LT-G-029-2-4-20140224	480-55212-8	IRON	3/4/2014	12100	Yes	Υ	В	J	J	59.9	1.3	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SODIUM	3/4/2014	41.4	Yes	Υ	J		J	839	15.6	mg/kg
LT-G-029-8-10-20140224	480-55212-9	COPPER	3/4/2014	6	Yes	Υ				5.5	0.23	mg/kg
LT-G-029-8-10-20140224	480-55212-9	THALLIUM	3/4/2014		Yes	N	U		U	33.3	0.33	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SODIUM	3/4/2014	24.3	Yes	Υ	J		J	776	14.4	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SELENIUM	3/4/2014		Yes	N	U		U	22.2	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	POTASSIUM	3/4/2014	408	Yes	Υ				166	22.2	mg/kg
LT-G-029-8-10-20140224	480-55212-9	NICKEL	3/4/2014	4.1	Yes	Υ	J		J	27.7	0.25	mg/kg
LT-G-029-8-10-20140224	480-55212-9	MANGANESE	3/4/2014	129	Yes	Υ	В	J	J	1.1	0.035	mg/kg
LT-G-029-8-10-20140224	480-55212-9	MAGNESIUM	3/4/2014	630	Yes	Υ				111	1.0	mg/kg
LT-G-029-8-10-20140224	480-55212-9	VANADIUM	3/4/2014	5.5	Yes	Υ				2.8	0.12	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ZINC	3/4/2014	8.4	Yes	Υ	BJ	ŲJ	UJ	11.1	0.17	mg/kg
LT-G-029-8-10-20140224	480-55212-9	IRON	3/4/2014	4930	Yes	Υ	В	J	J	55.4	1.2	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CHROMIUM, TOTAL	3/4/2014	6.4	Yes	Υ				2.8	0.22	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CALCIUM	3/4/2014	233	Yes	Υ	BJ	UJ	UJ	277	3.7	mg/kg
LT-G-029-8-10-20140224	480 - 55212-9	ALUMINUM	3/4/2014	2140	Yes	Υ				55.4	4.9	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CADMIUM	3/4/2014	0.054	Yes	Υ	J		J	1.1	0.033	mg/kg
LT-G-029-8-10-20140224	480-55212-9	BERYLLIUM	3/4/2014	0.098	Yes	Υ	J		J	1.1	0.031	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL_	Units
LT-G-029-8-10-20140224	480-55212-9	BARIUM	3/4/2014	21.7	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ARSENIC	3/4/2014	1	Yes	Υ	J		J	11.1	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	83.1	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	LEAD	3/4/2014	1.7	Yes	Υ	J		J	5.5	0.27	mg/kg
LT-G-029-8-10-20140224	480-55212-9	COBALT	3/4/2014	2.5	Yes	Υ	J		J	2.8	0.055	mg/kg
LT-G-030-0-2-20140224	480-55212-12	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ZINC	3/4/2014	40.3	Yes	Υ	В	J	J	11.2	0.17	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CALCIUM	3/4/2014	627	Yes	Υ	В	J	J	280	3.7	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CHROMIUM, TOTAL	3/4/2014	21.5	Yes	Υ				2.8	0.22	mg/kg
LT-G-030-0-2-20140224	480-55212-12	COBALT	3/4/2014	13	Yes	Υ				2.8	0.056	mg/kg
LT-G-030-0-2-20140224	480-55212-12	COPPER	3/4/2014	12.6	Yes	Υ				5.6	0.24	mg/kg
LT-G-030-0-2-20140224	480-55212-12	IRON	3/4/2014	19300	Yes	Υ	В	J	J	56.1	1.2	mg/kg
LT-G-030-0-2-20140224	480-55212-12	LEAD	3/4/2014	5.7	Yes	Υ				5.6	0.27	mg/kg
LT-G-030-0-2-20140224	480-55212-12	MAGNESIUM	3/4/2014	2310	Yes	Υ				112	1.0	mg/kg
LT-G-030-0-2-20140224	480-55212-12	MANGANESE	3/4/2014	727	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-030-0-2-20140224	480-55212-12	NICKEL	3/4/2014	11.9	Yes	Υ	J		J	28.0	0.26	mg/kg
LT-G-030-0-2-20140224	480-55212-12	SELENIUM	3/4/2014	1.4	Yes	Υ	J		J	22.4	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CADMIUM	3/4/2014	0.18	Yes	Υ	J		J	. 1.1	0.034	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ALUMINUM	3/4/2014	8380	Yes	Υ				56.1	4.9	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ANTIMONY	3/4/2014	8.0	Yes	Υ	J	J	J	84.1	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ARSENIC	3/4/2014	4.1	Yes	Υ	J		J	11.2	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	BARIUM	3/4/2014	41.2	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-030-0-2-20140224	480-55212-12	POTASSIUM	3/4/2014	824	Yes	Υ				168	22.4	mg/kg
LT-G-030-0-2-20140224	480-55212-12	BERYLLIUM	3/4/2014	0.38	Yes	Υ	J		J	1.1	0.031	mg/kg
LT-G-030-0-2-20140224	480-55212 - 12	SODIUM	3/4/2014	32.1	Yes	Υ	J		J	785	14.6	mg/kg

Thing thou motion	6010C		_									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	VANADIUM	3/4/2014	22.6	Yes	Υ				2.8	0.12	mg/kg
LT-G-030-0-2-20140224	480-55212-12	THALLIUM	3/4/2014		Yes	N	U		U	33.6	0.34	mg/kg
LT-G-030-4-6-20140224	480-55212-13	VANADIUM	3/4/2014	16.9	Yes	Υ				2.9	0.13	mg/kg
LT-G-030-4-6-20140224	480-55212-13	THALLIUM	3/4/2014		Yes	N	U		U	35.0	0.35	mg/kg
LT-G-030-4-6-20140224	480-55212-13	MANGANESE	3/4/2014	629	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SODIUM	3/4/2014	37.3	Yes	Υ	J		J	817	15.2	mg/kg
LT-G-030-4-6-20140224	480-55212-13	POTASSIUM	3/4/2014	896	Yes	Υ				175	23.3	mg/kg
LT-G-030-4-6-20140224	480-55212-13	NICKEL	3/4/2014	13.7	Yes	Υ	J		J	29.2	0.27	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ZINC	3/4/2014	32.3	Yes	Υ	В	J	J	11.7	0.18	mg/kg
LT-G-030-4-6-20140224	480-55212-13	BERYLLIUM	3/4/2014	0.23	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ALUMINUM	3/4/2014	5890	Yes	Υ				58.4	5.1	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ANTIMONY	3/4/2014	0.48	Yes	Υ	J	J	J	87.5	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SELENIUM	3/4/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	BARIUM	3/4/2014	38.2	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-030-4-6-20140224	480-55212-13	MAGNESIUM	3/4/2014	1830	Yes	Υ				117	1.1	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CADMIUM	3/4/2014	0.22	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CALCIUM	3/4/2014	542	Yes	Υ	В	J	J	292	3.9	mg/kg
LT-G-030-4-6-20140224	480-55212-13	COBALT	3/4/2014	10.6	Yes	Υ				2.9	0.058	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ARSENIC	3/4/2014	4.8	Yes	Υ	J		J	11.7	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CHROMIUM, TOTAL	3/4/2014	19.6	Yes	Υ				2.9	0.23	mg/kg
LT-G-030-4-6-20140224	480-55212-13	IRON	3/4/2014	26800	Yes	Υ	В	J	J	58.4	1.3	mg/kg
LT-G-030-4-6-20140224	480-55212-13	COPPER	3/4/2014	9.9	Yes	Υ				5.8	0.25	mg/kg
LT-G-030-4-6-20140224	480-55212-13	LEAD	3/4/2014	3.4	Yes	Υ	J		J	5.8	0.28	mg/kg
LT-G-030-6-8-20140224	480-55212-14	MAGNESIUM	3/4/2014	943	Yes	Υ				118	1.1	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	LEAD	3/4/2014	2.7	Yes	Υ	J		J	5.9	0.28	mg/kg
LT-G-030-6-8-20140224	480-55212-14	NICKEL	3/4/2014	11.8	Yes	Υ	J		J	29.4	0.27	mg/kg
LT-G-030-6-8-20140224	480-55212-14	POTASSIUM	3/4/2014	788	Yes	Υ				177	23.6	mg/kg
LT-G-030-6-8-20140224	480-55212-14	SELENIUM	3/4/2014		Yes	N	U		U	23.6	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	SILVER	3/4/2014		Yes	N	U		U	2.9	0.24	mg/kg
LT-G-030-6-8-20140224	480-55212 -14	SODIUM	3/4/2014	21.7	Yes	Υ	J		J	824	15.3	mg/kg
LT-G-030-6-8-20140224	480-55212-14	THALLIUM	3/4/2014		Yes	N	U		U	35.3	0.35	mg/kg
LT-G-030-6-8-20140224	480-55212-14	VANADIUM	3/4/2014	19.7	Yes	Υ				2.9	0.13	mg/kg
LT-G-030-6-8-20140224	480-55212-14	MANGANESE	3/4/2014	231	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-G-030-6-8-20140224	480-55212-14	IRON	3/4/2014	28600	Yes	Υ	В	J	J	58.9	1.3	mg/kg
LT-G-030-6-8-20140224	480-55212-14	COBALT	3/4/2014	2.8	Yes	Υ	J		J	2.9	0.059	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ZINC	3/4/2014	28.4	Yes	Υ	В	J	J	11.8	0.18	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CHROMIUM, TOTAL	3/4/2014	12	Yes	Υ				2.9	0.24	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CADMIUM	3/4/2014	0.18	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CALCIUM	3/4/2014	447	Yes	Υ	В	J	J	294	3.9	mg/kg
LT-G-030-6-8-20140224	480-55212-14	BARIUM	3/4/2014	28	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ARSENIC	3/4/2014	4.6	Yes	Υ	J		J	11.8	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	88.3	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ALUMINUM	3/4/2014	2890	Yes	Υ				58.9	5.2	mg/kg
LT-G-030-6-8-20140224	480-55212-14	COPPER	3/4/2014	8.7	Yes	Υ				5.9	0.25	mg/kg
LT-G-030-6-8-20140224	480-55212-14	BERYLLIUM	3/4/2014	0.43	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-G-031-0-2-20140224	480-55212-15	MANGANESE	3/4/2014	231	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ZINC	3/4/2014	26	Yes	Υ	В	J	J	12.0	0.18	mg/kg
LT-G-031-0-2-20140224	480-55212-15	VANADIUM	3/4/2014	29.7	Yes	Υ				3.0	0.13	mg/kg
LT-G-031-0-2-20140224	480-55212-15	THALLIUM	3/4/2014		Yes	N	U		U	35.9	0.36	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	SODIUM	3/4/2014	24.9	Yes	Υ	J		J	837	15.5	mg/kg
LT-G-031-0-2-20140224	480-55212-15	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-G-031-0-2-20140224	480-55212-15	SELENIUM	3/4/2014		Yes	N	U		U	23.9	0.48	mg/kg
LT-G-031-0-2-20140224	480-55212-15	NICKEL	3/4/2014	8	Yes	Υ	J		J	29.9	0.27	mg/kg
LT-G-031-0-2-20140224	480-55212-15	MAGNESIUM	3/4/2014	1650	Yes	Υ				120	1.1	mg/kg
LT-G-031-0-2-20140224	480-55212-15	LEAD	3/4/2014	7.2	Yes	Υ				6.0	0.29	mg/kg
LT-G-031-0-2-20140224	480-55212-15	BERYLLIUM	3/4/2014	0.29	Yes	Υ	J		J	1.2	0.033	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ALUMINUM	3/4/2014	10500	Yes	Υ				59.8	5.3	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	89.6	0.48	mg/kg
LT-G-031-0-2-20140224	480-55212-15	POTASSIUM	3/4/2014	544	Yes	Υ				179	23.9	mg/kg
LT-G-031-0-2-20140224	480-55212-15	BARIUM	3/4/2014	22.5	Yes	Υ		J	j	3.0	0.13	mg/kg
LT-G-031-0-2-20140224	480-55212-15	IRON	3/4/2014	21900	Yes	Υ	В	J	J	59.8	1.3	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CADMIUM	3/4/2014	0.075	Yes	Υ	J		J	1.2	0.036	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CALCIUM	3/4/2014	518	Yes	Υ	В	J	J	299	3.9	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CHROMIUM, TOTAL	3/4/2014	22.2	Yes	Υ				3.0	0.24	mg/kg
LT-G-031-0-2-20140224	480-55212-15	COBALT	3/4/2014	5.6	Yes	Υ				3.0	0.060	mg/kg
LT-G-031-0-2-20140224	480-55212-15	COPPER	3/4/2014	11.7	Yes	Υ				6.0	0.25	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ARSENIC	3/4/2014	5.2	Yes	Υ	J		J	12.0	0.48	mg/kg
LT-G-031-4-6-20140224	480-55212-16	IRON	3/4/2014	5150	Yes	Υ	В	J	J	57.6	1.3	mg/kg
LT-G-031-4-6-20140224	480-55212-16	MANGANESE	3/4/2014	166	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ZINC	3/4/2014	8.4	Yes	Υ	BJ	UJ	UJ	11.5	0.18	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SODIUM	3/4/2014		Yes	N	υ		υ	807	15.0	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SELENIUM	3/4/2014		Yes	N	U		U	23.1	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	NICKEL	3/4/2014	3.3	Yes	Υ	J		J	28.8	0.27	mg/kg
LT-G-031-4-6-20140224	480-55212-16	MAGNESIUM	3/4/2014	466	Yes	Υ				115	1.1	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	CHROMIUM, TOTAL	3/4/2014	5.9	Yes	Υ				2.9	0.23	mg/kg
LT-G-031-4-6-20140224	480-55212-16	POTASSIUM	3/4/2014	339	Yes	Υ				173	23.1	mg/kg
LT-G-031-4-6-20140224	480-55212-16	CALCIUM	3/4/2014	133	Yes	Υ	BJ	UJ	UJ	288	3.8	mg/kg
LT-G-031-4-6-20140224	480-55212-16	COBALT	3/4/2014	2	Yes	Υ	J		J	2.9	0.058	mg/kg
LT-G-031-4-6-20140224	480-55212-16	BARIUM	3/4/2014	11.5	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ARSENIC	3/4/2014	1.3	Yes	Υ	J		J	11.5	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	86.4	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ALUMINUM	3/4/2014	2210	Yes	Υ				57.6	5.1	mg/kg
LT-G-031-4-6-20140224	480-55212-16	LEAD	3/5/2014	1.7	Yes	Υ	J		J	5.8	0.28	mg/kg
LT-G-031-4-6-20140224	480-55212-16	VANADIUM	3/5/2014	6.8	Yes	Υ				2.9	0.13	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-031-4-6-20140224	480-55212-16	COPPER	3/5/2014	4.1	Yes	Υ	J		J	5.8	0.24	mg/kg
LT-G-031-4-6-20140224	480-55212-16	CADMIUM	3/5/2014		Yes	N	υ		U	1.2	0.035	mg/kg
LT-G-031-4-6-20140224	480-55212-16	BERYLLIUM	3/5/2014	0.11	Yes	Υ	J		J	1.2	0.032	mg/kg
LT-G-031-4-6-20140224	480-55212-16	THALLIUM	3/5/2014		Yes	N	U		U	34.6	0.35	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ARSENIC	3/4/2014	1.2	Yes	Υ	J		J	10.3	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SODIUM	3/4/2014	16.2	Yes	Υ	J		J	718	13.3	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
LT-G-031-6-8-20140224	480-55212-17	THALLIUM	3/4/2014		Yes	N	U		υ	30.8	0.31	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SELENIUM	3/4/2014		Yes	N	U		U	20.5	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	VANADIUM	3/4/2014	6	Yes	Υ				2.6	0.11	mg/kg
LT-G-031-6-8-20140224	480-55212-17	POTASSIUM	3/4/2014	418	Yes	Υ				154	20.5	mg/kg
LT-G-031-6-8-20140224	480-55212-17	NICKEL	3/4/2014	4.1	Yes	Υ	J		J	25.6	0.24	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MANGANESE	3/4/2014	270	Yes	Υ	В	J	J	1.0	0.033	mg/kg
LT-G-031-6-8-20140224	480-55212-17	LEAD	3/4/2014	2	Yes	Υ	J		J	5.1	0.25	mg/kg

Analytical Method SW	5010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	COPPER	3/4/2014	3.4	Yes	Υ	J		J	5.1	0.22	mg/kg
LT-G-031-6-8-20140224	480-55212-17	COBALT	3/4/2014	2.6	Yes	Υ				2.6	0.051	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CHROMIUM, TOTAL	3/4/2014	5	Yes	Υ				2.6	0.21	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CALCIUM	3/4/2014	165	Yes	Υ	BJ	UJ	UJ	256	3.4	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CADMIUM	3/4/2014	0.037	Yes	Υ	J		J	1.0	0.031	mg/kg
LT-G-031-6-8-20140224	480-55212-17	BARIUM	3/4/2014	12.4	Yes	Υ		J	J	2.6	0.11	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	76.9	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ALUMINUM	3/4/2014	2150	Yes	Υ				51.3	4.5	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ZINC	3/4/2014	9.1	Yes	Υ	BJ	UJ	UJ	10.3	0.16	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MAGNESIUM	3/4/2014	531	Yes	Υ				103	0.95	mg/kg
LT-G-031-6-8-20140224	480-55212-17	BERYLLIUM	3/4/2014	0.14	Yes	Υ	j		J	1.0	0.029	mg/kg
LT-G-031-6-8-20140224	480-55212-17	IRON	3/4/2014	5680	Yes	Υ	В	J	J	51.3	1.1	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MANGANESE	3/5/2014	136	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ZINC	3/5/2014	29	Yes	Υ	В	J	J	11.3	0.17	mg/kg
LT-G-032-0-2-20140224	480-55212-18	VANADIUM	3/5/2014	19.2	Yes	Υ				2.8	0.12	mg/kg
LT-G-032-0-2-20140224	480-55212-18	THALLIUM	3/5/2014		Yes	N	U		U	33.8	0.34	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SODIUM	3/5/2014	38.2	Yes	Υ	J		J	788	14.6	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SILVER	3/5/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ALUMINUM	3/5/2014	6870	Yes	Υ				56.3	5.0	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SELENIUM	3/5/2014		Yes	N	U		U	22.5	0.45	mg/kg
LT-G-032-0-2-20140224	480-55212-18	NICKEL	3/5/2014	12.2	Yes	Υ	J		J	28.1	0.26	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MAGNESIUM	3/5/2014	2440	Yes	Υ				113	1.0	mg/kg
LT-G-032-0-2-20140224	480-55212-18	LEAD	3/5/2014	5.5	Yes	Υ	J		J	5.6	0.27	mg/kg
LT-G-032-0-2-20140224	480-55212-18	BERYLLIUM	3/5/2014	0.37	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	84.4	0.45	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	POTASSIUM	3/5/2014	2600	Yes	Υ				169	22.5	mg/kg
LT-G-032-0-2-20140224	480-55212-18	BARIUM	3/5/2014	49.1	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-032-0-2-20140224	480-55212-18	IRON	3/5/2014	8520	Yes	Υ	В	J	J	56.3	1.2	mg/kg
LT-G-032-0-2-20140224	480-55212 - 18	CADMIUM	3/5/2014	0.062	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-032-0-2-20140224	480-55212-18	CALCIUM	3/5/2014	1130	Yes	Υ	В	J	J	281	3.7	mg/kg
LT-G-032-0-2-20140224	480-55212-18	CHROMIUM, TOTAL	3/5/2014	25	Yes	Υ				2.8	0.23	mg/kg
LT-G-032-0-2-20140224	480-55212-18	COBALT	3/5/2014	6.7	Yes	Υ				2.8	0.056	mg/kg
LT-G-032-0-2-20140224	480-55212-18	COPPER	3/5/2014	10.1	Yes	Υ				5.6	0.24	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ARSENIC	3/5/2014	1.5	Yes	Υ	J		J	11.3	0.45	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CALCIUM	3/5/2014	470	Yes	Υ	В	J	J	267	3.5	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MAGNESIUM	3/5/2014	870	Yes	Υ				107	0.99	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ALUMINUM	3/5/2014	3540	Yes	Υ				53.4	4.7	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	80.1	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ARSENIC	3/5/2014	2.9	Yes	Υ	J		J	10.7	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	BARIUM	3/5/2014	34.3	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-G-032-4-6-20140224	480-55212-19	BERYLLIUM	3/5/2014	0.25	Yes	Υ	J		J	1.1	0.030	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CADMIUM	3/5/2014	0.053	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SILVER	3/5/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-032-4-6-20140224	480-55212-19	VANADIUM	3/5/2014	15.2	Yes	Υ				2.7	0.12	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ZINC	3/5/2014	19	Yes	Υ	В	J	J	10.7	0.16	mg/kg
LT-G-032-4-6-20140224	480-55212-19	IRON	3/5/2014	7950	Yes	Υ	В	J	J	53.4	1.2	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SODIUM	3/5/2014	31.1	Yes	Υ	J		J	748	13.9	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CHROMIUM, TOTAL	3/5/2014	12	Yes	Υ				2.7	0.21	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SELENIUM	3/5/2014		Yes	N	U		U	21.4	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	POTASSIUM	3/5/2014	1490	Yes	Υ				160	21.4	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	NICKEL	3/5/2014	7.5	Yes	Υ	J		J	26.7	0.25	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MANGANESE	3/5/2014	90.3	Yes	Υ	В	J	J	1.1	0.034	mg/kg
LT-G-032-4-6-20140224	480-55212-19	LEAD	3/5/2014	6	Yes	Υ				5.3	0.26	mg/kg
LT-G-032-4-6-20140224	480-55212-19	COPPER	3/5/2014	13.8	Yes	Υ				5.3	0.22	mg/kg
LT-G-032-4-6-20140224	480-55212-19	COBALT	3/5/2014	4.3	Yes	Υ				2.7	0.053	mg/kg
LT-G-032-4-6-20140224	480-55212-19	THALLIUM	3/5/2014		Yes	N	U		U	32.1	0.32	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SELENIUM	3/5/2014		Yes	N	U		U	22.5	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CALCIUM	3/5/2014	447	Yes	Υ	В	J	J	281	3.7	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ALUMINUM	3/5/2014	3740	Yes	Υ		J	J	56.2	4.9	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	84.3	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ARSENIC	3/5/2014	6.3	Yes	Υ	J		J	11.2	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	BARIUM	3/5/2014	17.4	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-032-6-8-20140224	480-55212-20	BERYLLIUM	3/5/2014	1.7	Yes	Υ		J	J	1.1	0.031	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CADMIUM	3/5/2014	0.044	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-032-6-8-20140224	480-55212-20	VANADIUM	3/5/2014	31.7	Yes	Υ		J ´	J	2.8	0.12	mg/kg
LT-G-032-6-8-20140224	480-55212-20	NICKEL	3/5/2014	58.2	Yes	Υ	В	J	J	28.1	0.26	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CHROMIUM, TOTAL	3/5/2014	18.3	Yes	Υ	В	J	J	2.8	0.22	mg/kg
LT-G-032-6-8-20140224	480-55212-20	THALLIUM	3/5/2014		Yes	N	U		U	33.7	0.34	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ZINC	3/5/2014	260	Yes	Υ	В	J	J	11.2	0.17	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-032-6-8-20140224	480-55212-20	POTASSIUM	3/5/2014	440	Yes	Υ				169	22.5	mg/kg
LT-G-032-6-8-20140224	480-55212-20	MAGNESIUM	3/5/2014	1350	Yes	Υ		J	J	112	1.0	mg/kg
LT-G-032-6-8-20140224	480-55212-20	LEAD	3/5/2014	15.5	Yes	Υ				5.6	0.27	mg/kg
LT-G-032-6-8-20140224	480-55212-20	IRON	3/5/2014	6400	Yes	Υ	В	J	j	56.2	1.2	mg/kg
LT-G-032-6-8-20140224	480-55212-20	COBALT	3/5/2014	46	Yes	Y		J	J	2.8	0.056	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	MANGANESE	3/5/2014	88.7	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SODIUM	3/5/2014	26.9	Yes	Υ	J		J	787	14.6	mg/kg
LT-G-032-6-8-20140224	480-55212-20	COPPER	3/5/2014	17.1	Yes	Υ		J	J	5.6	0.24	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	86.2	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CALCIUM	3/5/2014	196	Yes	Υ	BJ	UJ	UJ	287	3.8	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CADMIUM	3/5/2014	0.19	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-033-0-2-20140224	480-55212-21	BERYLLIUM	3/5/2014	0.24	Yes	Υ	J	J	J	1.1	0.032	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ARSENIC	3/5/2014	5.3	Yes	Υ	J		J	11.5	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ALUMINUM	3/5/2014	3190	Yes	Υ		J	J	57.5	5.1	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CHROMIUM, TOTAL	3/5/2014	9.2	Yes	Υ	В	J	J	2.9	0.23	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MANGANESE	3/5/2014	68	Yes	Υ	В	J	J	1.1	0.037	mg/kg
LT-G-033-0-2-20140224	480-55212-21	BARIUM	3/5/2014	32.1	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-033-0-2-20140224	480-55212-21	COBALT	3/5/2014	3.1	Yes	Υ		J	J	2.9	0.057	mg/kg
LT-G-033-0-2-20140224	480-55212-21	COPPER	3/5/2014	38.9	Yes	Υ		J	J	5.7	0.24	mg/kg
LT-G-033-0-2-20140224	480-55212-21	IRON	3/5/2014	10600	Yes	Υ	В	J	J	57.5	1.3	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MAGNESIUM	3/5/2014	908	Yes	Υ		J	J	115	1.1	mg/kg
LT-G-033-0-2-20140224	480-55212-21	NICKEL	3/5/2014	7.3	Yes	Υ	BJ	UJ	UJ	28.7	0.26	mg/kg
LT-G-033-0-2-20140224	480-55212-21	POTASSIUM	3/5/2014	829	Yes	Υ				172	23.0	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SELENIUM	3/5/2014		Yes	N	U		U	23.0	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ZINC	3/5/2014	27	Yes	Υ	В	J	J	11.5	0.18	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SODIUM	3/5/2014	22.1	Yes	Υ	J		J	805	14.9	mg/kg
LT-G-033-0-2-20140224	480-55212-21	THALLIUM	3/5/2014		Yes	N	U		U	34.5	0.34	mg/kg
LT-G-033-0-2-20140224	480-55212-21	VANADIUM	3/5/2014	11.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-033-0-2-20140224	480-55212-21	LEAD	3/5/2014	5.6	Yes	Υ	J		J	5.7	0.28	mg/kg

Analytical Method SW6	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	COBALT	3/5/2014	3	Yes	Υ		J	J	2.8	0.057	mg/kg
LT-G-033-2-4-20140224	480-55212-22	VANADIUM	3/5/2014	12.1	Yes	Υ		J	J	2.8	0.13	mg/kg
LT-G-033-2-4-20140224	480-55212-22	THALLIUM	3/5/2014		Yes	N	U		υ	34.2	0.34	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SODIUM	3/5/2014	19	Yes	Υ	J		J	797	14.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SILVER	3/5/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SELENIUM	3/5/2014		Yes	N	Ü		U	22.8	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	POTASSIUM	3/5/2014	489	Yes	Υ				171	22.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	NICKEL	3/5/2014	6	Yes	Υ	BJ	UJ	UJ	28.5	0.26	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MANGANESE	3/5/2014	66.6	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ZINC	3/5/2014	32.3	Yes	Υ	В	J	j	11.4	0.17	mg/kg
LT-G-033-2-4-20140224	480-55212-22	COPPER	3/5/2014	16.6	Yes	Υ		J	J	5.7	0.24	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MAGNESIUM	3/5/2014	466	Yes	Υ		J	J	114	1.1	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CHROMIUM, TOTAL	3/5/2014	8.4	Yes	Υ	В	J	J	2.8	0.23	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CALCIUM	3/5/2014	258	Yes	Υ	BJ	UJ	UJ	285	3.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CADMIUM	3/5/2014	0.35	Yes	Υ	J		J	1.1	0.034	mg/kg
LT-G-033-2-4-20140224	480-55212-22	BERYLLIUM	3/5/2014	0.26	Yes	Υ	J	J	J	1.1	0.032	mg/kg
LT-G-033-2-4-20140224	480-55212-22	BARIUM	3/5/2014	16.2	Yes	Υ		J	J	2.8	0.13	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ARSENIC	3/5/2014	2	Yes	Υ	J		J	11.4	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	85.4	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ALUMINUM	3/5/2014	2020	Yes	Υ		J	J	57.0	5.0	mg/kg
LT-G-033-2-4-20140224	480-55212-22	LEAD	3/5/2014	4.2	Yes	Υ	J		J	5.7	0.27	mg/kg
LT-G-033-2-4-20140224	480-55212-22	IRON	3/5/2014	5670	Yes	Υ	В	J	J	57.0	1.3	mg/kg
LT-G-033-6-8-20140224	480-55212-23	LEAD	3/5/2014	4.7	Yes	Υ	J		J	5.3	0.26	mg/kg
LT-G-033-6-8-20140224	480-55212-23	COPPER	3/5/2014	11.3	Yes	Υ		J	J	5.3	0.22	mg/kg
LT-G-033-6-8-20140224	480-55212-23	IRON	3/5/2014	9110	Yes	Υ	В	J	J	53.3	1.2	mg/kg

Analytical Method SW	6010C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final gual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	ALUMINUM	3/5/2014	2040	Yes	Υ		J	J	53.3	4.7	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MAGNESIUM	3/5/2014	552	Yes	Υ		J	J	107	0.99	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MANGANESE	3/5/2014	120	Yes	Υ	В	J	J	1.1	0.034	mg/kg
LT-G-033-6-8-20140224	480-55212-23	NICKEL	3/5/2014	10.8	Yes	Υ	BJ	UJ	UJ	26.7	0.25	mg/kg
LT-G-033-6-8-20140224	480-55212-23	POTASSIUM	3/5/2014	556	Yes	Υ				160	21.3	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SELENIUM	3/5/2014		Yes	N	U		U	21.3	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SILVER	3/5/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SODIUM	3/5/2014	23.3	Yes	Υ	J		J	747	13.9	mg/kg
LT-G-033-6-8-20140224	480-55212-23	THALLIUM	3/5/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-G-033-6-8-20140224	480-55212-23	BARIUM	3/5/2014	17.6	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	80.0	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ARSENIC	3/5/2014	1.9	Yes	Υ	J		J	10.7	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	BERYLLIUM	3/5/2014	0.47	Yes	Υ	J	J	J	1.1	0.030	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CADMIUM	3/5/2014	0.044	Yes	Υ	J		J	1.1	0.032	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CALCIUM	3/5/2014	368	Yes	Υ	В	J	J	267	3.5	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CHROMIUM, TOTAL	3/5/2014	7.6	Yes	Υ	В	J	J	2.7	0.21	mg/kg
LT-G-033-6-8-20140224	480-55212-23	COBALT	3/5/2014	6.1	Yes	Υ		J	J	2.7	0.053	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ZINC	3/5/2014	28.2	Yes	Υ	В	J	J	10.7	0.16	mg/kg
LT-G-033-6-8-20140224	480-55212-23	VANADIUM	3/5/2014	10.7	Yes	Υ		J	J	2.7	0.12	mg/kg
LT-G-034-0-2-20140224	480-55212-24	BERYLLIUM	3/5/2014	0.14	Yes	Υ	J	J	J	1.0	0.028	mg/kg
LT-G-034-0-2-20140224	480-55212-24	VANADIUM	3/5/2014	12.4	Yes	Υ		J	J	2.5	0.11	mg/kg
LT-G-034-0-2-20140224	480-55212-24	IRON	3/5/2014	4950	Yes	Υ	В	J	J	50.1	1.1	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SODIUM	3/5/2014	30.7	Yes	Υ	J		J	702	13.0	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SILVER	3/5/2014		Yes	N	U		U	2.5	0.20	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SELENIUM	3/5/2014		Yes	N	υ		U	20.1	0.40	mg/kg

Analytical Method SW	6010C									-		
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	POTASSIUM	3/5/2014	506	Yes	Υ				150	20.1	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MANGANESE	3/5/2014	56.5	Yes	Υ	В	J	J	1.0	0.032	mg/kg
LT-G-034-0-2-20140224	480-55212-24	LEAD	3/5/2014	4.5	Yes	Υ	J		J	5.0	0.24	mg/kg
LT-G-034-0-2-20140224	480-55212-24	THALLIUM	3/5/2014		Yes	N	υ		U	30.1	0.30	mg/kg
LT-G-034-0-2-20140224	480-55212-24	COPPER	3/5/2014	7.6	Yes	Υ		J	J	5.0	0.21	mg/kg
LT-G-034-0-2-20140224	480-55212-24	COBALT	3/5/2014	3	Yes	Υ		j	J	2.5	0.050	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CHROMIUM, TOTAL	3/5/2014	10.1	Yes	Υ	В	J	J	2.5	0.20	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ALUMINUM	3/5/2014	4190	Yes	Υ		J	J	50.1	4.4	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CADMIUM	3/5/2014	0.033	Yes	Υ	J		J	1.0	0.030	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ZINC	3/5/2014	14.4	Yes	Υ	В	J	J	10.0	0.15	mg/kg
LT-G-034-0-2-20140224	480-55212-24	BARIUM	3/5/2014	41.2	Yes	Υ		J	J	2.5	0.11	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ARSENIC	3/5/2014	1.4	Yes	Υ	J		J	10.0	0.40	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	75.2	0.40	mg/kg
LT-G-034-0-2-20140224	480-55212-24	NICKEL	3/5/2014	10.8	Yes	Υ	BJ	UJ	UJ	25.1	0.23	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CALCIUM	3/5/2014	565	Yes	Υ	В	J.	J	251	3.3	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MAGNESIUM	3/5/2014	1270	Yes	Υ		J	J	100	0.93	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ZINC	3/5/2014	41.4	Yes	Υ	В	J	J	11.6	0.18	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MANGANESE	3/5/2014	114	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MAGNESIUM	3/5/2014	1960	Yes	Υ.		J	J	116	1.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	LEAD	3/5/2014	4.6	Yes	Υ	J		J	5.8	0.28	mg/kg
LT-G-034-2-4-20140224	480-55212-25	IRON	3/5/2014	13700	Yes	Υ	В	J	J	58.2	1.3	mg/kg
LT-G-034-2-4-20140224	480-55212-25	COPPER	3/5/2014	6.7	Yes	Υ		J	J	5.8	0.24	mg/kg
LT-G-034-2-4-20140224	480-55212-25	COBALT	3/5/2014	20.2	Yes	Y		J	J	2.9	0.058	mg/kg
LT-G-034-2-4-20140224	480-55212-25	CHROMIUM, TOTAL	3/5/2014	12.3	Yes	Υ	В	J	J	2.9	0.23	mg/kg
LT-G-034-2-4-20140224	480-55212-25	NICKEL	3/5/2014	21.1	Yes	Υ	BJ	UJ	UJ	29.1	0.27	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
LT-G-034-2-4-20140224	480-55212-25	CADMIUM	3/5/2014	0.077	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-034-2-4-20140224	480-55212-25	BERYLLIUM	3/5/2014	0.29	Yes	Υ	J	j	J .	1.2	0.033	mg/kg
LT-G-034 - 2-4-20140224	480-55212-25	BARIUM	3/5/2014	36.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	87.3	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	VANADIUM	3/5/2014	15.3	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-034-2-4-20140224	480-55212-25	THALLIUM	3/5/2014		Yes	N	U		U	34.9	0.35	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ALUMINUM	3/5/2014	5220	Yes	Υ		J	J	58.2	5.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SODIUM	3/5/2014	38.6	Yes	Υ	J		J	815	15.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	CALCIUM	3/5/2014	838	Yes	Υ	В	J	J	291	3.8	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SELENIUM	3/5/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ARSENIC	3/5/2014	11.6	Yes	Υ				11.6	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-034-2-4-20140224	480-55212-25	POTASSIUM	3/5/2014	904	Yes	Υ				175	23.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SODIUM	3/5/2014	51	Yes	Υ	J		J	821	15.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SELENIUM	3/5/2014		Yes	N	U		U	23.5	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	LEAD	3/5/2014	5.5	Yes	Υ	J		J	5.9	0.28	mg/kg
LT-G-034-6-8-20140224	480-55212-26	POTASSIUM	3/5/2014	1210	Yes	Υ				176	23.5	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MAGNESIUM	3/5/2014	2780	Yes	Υ		J	J	117	1.1	mg/kg
LT-G-034-6-8-20140224	480-55212-26	NICKEL	3/5/2014	131	Yes	Υ	В	J	J	29.3	0.27	mg/kg
LT-G-034-6-8-20140224	480-55212-26	VANADIUM	3/5/2014	18.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-034-6-8-20140224	480-55212-26	BERYLLIUM	3/5/2014	0.16	Yes	Υ	J	J	J	1.2	0.033	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ZINC	3/5/2014	313	Yes	Υ	В	J	J	11.7	0.18	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MANGANESE	3/5/2014	99.2	Yes	Υ	В	J	J	1.2	0.038	mg/kg
LT-G-034-6-8-20140224	480-55212-26	THALLIUM	3/5/2014	0.43	Yes	Υ	J		J	35.2	0.35	mg/kg

SDG: 480552121

Analytical Method SW	6010C							,				
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	CHROMIUM, TOTAL	3/5/2014	15	Yes	Υ	В	J	J	2.9	0.23	mg/kg
LT-G-034-6-8-20140224	480-55212-26	BARIUM	3/5/2014	44.4	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ARSENIC	3/5/2014	8	Yes	Υ	J		J	11.7	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	88.0	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ALUMINUM	3/5/2014	6530	Yes	Υ		J	J	58.7	5.2	mg/kg
LT-G-034-6-8-20140224	480-55212-26	CADMIUM	3/5/2014	0.15	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-034-6-8-20140224	480-55212-26	CALCIUM	3/5/2014	1170	Yes	Υ	В	J	J	293	3.9	mg/kg
LT-G-034-6-8-20140224	480-55212-26	IRON	3/5/2014	9690	Yes	Υ	В	J	J	58.7	1.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	COBALT	3/5/2014	80.2	Yes	Υ		J	J	2.9	0.059	mg/kg
LT-G-034-6-8-20140224	480-55212-26	COPPER	3/5/2014	11.5	Yes	Υ		J	J	5.9	0.25	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SELENIUM	3/5/2014		Yes	N	U		υ	23.3	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CALCIUM	3/5/2014	750	Yes	Υ	В	J	J	292	3.9	mg/kg
LT-G-035-0-2-20140224	480-55212-27	BERYLLIUM	3/5/2014	0.37	Yes	Υ	J	J	J	1.2	0.033	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CADMIUM	3/5/2014	0.29	Yes	Υ	J		J	1.2	0.035	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	87.5	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ARSENIC	3/5/2014	5.6	Yes	Υ	J		J	11.7	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	COBALT	3/5/2014	9	Yes	Υ		J	J	2.9	0.058	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ALUMINUM	3/5/2014	5530	Yes	Υ		J	J	58.3	5.1	mg/kg
LT-G-035-0-2-20140224	480-55212-27	VANADIUM	3/5/2014	20	Yes	Υ		j	J	2.9	0.13	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CHROMIUM, TOTAL	3/5/2014	15.8	Yes	Υ	В	J	J	2.9	0.23	mg/kg
LT-G-035-0-2-20140224	480-55212-27	LEAD	3/5/2014	7.5	Yes	Υ				5.8	0.28	mg/kg
LT-G-035-0-2-20140224	480-55212-27	BARIUM	3/5/2014	49.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MANGANESE	3/5/2014	284	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SODIUM	3/5/2014	38.4	Yes	Υ	J		J	817	15.2	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MAGNESIUM	3/5/2014	1900	Yes	Υ		J	J	117	1.1	mg/kg

Analytical Method SW	6010C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
LT-G-035-0-2-20140224	480-55212-27	THALLIUM	3/5/2014		Yes	N	U		U	35.0	0.35	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ZINC	3/5/2014	45	Yes	Υ	В	J	J	11.7	0.18	mg/kg
LT-G-035-0-2-20140224	480-55212-27	IRON	3/5/2014	16500	Yes	Υ	В	J	J	58.3	1.3	mg/kg
LT-G-035-0-2-20140224	480-55212-27	NICKEL	3/5/2014	13.5	Yes	Υ	BJ	UJ	UJ	29.2	0.27	mg/kg
LT-G-035-0-2-20140224	480-55212-27	POTASSIUM	3/5/2014	1260	Yes	Υ				175	23.3	mg/kg
LT-G-035-0-2-20140224	480-55212-27	COPPER	3/5/2014	29.3	Yes	Υ		J	J	5.8	0.25	mg/kg
LT-G-035-2-4-20140224	480-55212-28	THALLIUM	3/5/2014		Yes	N	U		U	33.5	0.33	mg/kg
LT-G-035-2-4-20140224	480-55212-28	VANADIUM	3/5/2014	27.9	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ALUMINUM	3/5/2014	10500	Yes	Υ		j	J	55.8	4.9	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SODIUM	3/5/2014	61.6	Yes	Υ	J		J	781	14.5	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SELENIUM	3/5/2014		Yes	N	U		υ	22.3	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	POTASSIUM	3/5/2014	2200	Yes	Υ				167	22.3	mg/kg
LT-G-035-2-4-20140224	480-55212-28	NICKEL	3/5/2014	18.7	Yes	Υ	ВJ	UJ	UJ	27.9	0.26	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MANGANESE	3/5/2014	284	Yes	Υ	В	J	J	1.1	0.036	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MAGNESIUM	3/5/2014	3890	Yes	Υ		J	J	112	1.0	mg/kg
LT-G-035-2-4-20140224	480-55212-28	IRON	3/5/2014	19800	Yes	Υ	В	J	J	55.8	1.2	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ZINC	3/5/2014	63.1	Yes	Υ	В	J	J	11.2	0.17	mg/kg
LT-G-035-2-4-20140224	480-55212-28	COPPER	3/5/2014	26.1	Yes	Υ		J	J	5.6	0.23	mg/kg
LT-G-035-2-4-20140224	480-55212-28	COBALT	3/5/2014	10.5	Yes	Υ		J	J	2.8	0.056	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CHROMIUM, TOTAL	3/5/2014	22.5	Yes	Υ	В	J	J	2.8	0.22	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CALCIUM	3/5/2014	1190	Yes	Υ	В	J	J	279	3.7	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CADMIUM	3/5/2014	0.32	Yes	Υ	J		J	1.1	0.033	mg/kg
LT-G-035-2-4-20140224	480-55212-28	BERYLLIUM	3/5/2014	0.61	Yes	Υ	J	J	J	1.1	0.031	mg/kg

Analytical Method SW	6010C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	BARIUM	3/5/2014	72.2	Yes	Υ		J	J	2.8	0.12	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ARSENIC	3/5/2014	4.6	Yes	Υ	J		J	11.2	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	83.6	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	LEAD	3/5/2014	9	Yes	Υ				5.6	0.27	mg/kg
LT-G-035-6-8-20140224	480-55212-29	LEAD	3/5/2014	5.6	Yes	Υ	J		J	5.8	0.28	mg/kg
LT-G-035-6-8-20140224	480-55212-29	IRON	3/5/2014	11800	Yes	Υ	В	J	J	58.0	1.3	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ZINC	3/5/2014	80.8	Yes	Υ	В	J	J	11.6	0.18	mg/kg
LT-G-035-6-8-20140224	480-55212-29	VANADIUM	3/5/2014	15.5	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-035-6-8-20140224	480-55212-29	THALLIUM	3/5/2014		Yes	N	U		U	34.8	0.35	mg/kg
LT-G-035-6-8-20140224	480-55212-29	SODIUM	3/5/2014	37.8	Yes	Υ	J		J	812	15.1	mg/kg
LT-G-035-6-8-20140224	480-55212-29	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-035-6-8-20140224	480-55212-29	POTASSIUM	3/5/2014	944	Yes	Υ				174	23.2	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MANGANESE	3/5/2014	123	Yes	Υ	В	J	J	1.2	0.037	mg/kg
LT-G-035-6-8-20140224	480-55212-29	COPPER	3/5/2014	12.1	Yes	Υ		J	J	5.8	0.24	mg/kg
LT-G-035-6-8-20140224	480-55212-29	NICKEL	3/5/2014	12.2	Yes	Υ	BJ	ΟĴ	กา	29.0	0.27	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ALUMINUM	3/5/2014	4750	Yes	Υ		J	J	58.0	5.1	mg/kg
LT-G-035-6-8-20140224	480-55212-29	COBALT	3/5/2014	6.8	Yes	Υ		J	J	2.9	0.058	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CHROMIUM, TOTAL	3/5/2014	16.2	Yes	Υ	В	J	J	2.9	0.23	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CALCIUM	3/5/2014	790	Yes	Υ	В	J	J	290	3.8	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CADMIUM	3/5/2014	4.8	Yes	Υ				1.2	0.035	mg/kg
LT-G-035-6-8-20140224	480-55212-29	BERYLLIUM	3/5/2014	0.47	Yes	Υ	J	J	J	1.2	0.032	mg/kg
LT-G-035-6-8-20140224	480-55212-29	BARIUM	3/5/2014	39.9	Yes	Υ		J	J	2.9	0.13	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ARSENIC	3/5/2014	2.2	Yes	Υ	J		J	11.6	0.46	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ANTIMONY	3/5/2014		Yes	N	U	ΠΊ	UJ	87.0	0.46	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MAGNESIUM	3/5/2014	1810	Yes	Υ		J	J	116	1.1	mg/kg

Analytical Method SV	V6010C											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-6-8-20140224	480-55212-29	SELENIUM	3/5/2014		Yes	N	U		U	23.2	0.46	mg/k
Analytical Mothod SV	V7470A							**				-
Sample ID	Lab Sample D	Chemical Name	<u> Anal</u> Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679921A	4801679921A	MERCURY	2/28/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB029-20140224	480-55212-30	MERCURY	2/28/2014		Yes	N	U		U	0.00020	0.00012	mg/l
Analytical Method SV	V7471B									•		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677931A	4801677931A	MERCURY	2/27/2014		Yes	N	U		U	0.019	0.0077	mg/k
4801677941A	4801677941A	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/k
DUP029-20140224	480-55212-10	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0088	mg/k
DUP030-20140224	480-55212-11	MERCURY	2/27/2014		Yes	N	U		U	0.023	0.0092	mg/k
LT-C-060-0-2-20140224	480-55212-1	MERCURY	2/27/2014	0.051	Yes	Υ				0.023	0.0094	mg/k
LT-C-060-4-6-20140224	480-55212-2	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0080	mg/k
LT-C-060-8-10-20140224	480-55212-3	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0086	mg/k
LT-G-028-0-2-20140224	480-55212-4	MERCURY	2/27/2014	0.0093	Yes	Υ	J		J	0.021	0.0086	mg/k
LT-G-028-4-6-20140224	480-55212-5	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/k
LT-G-028-8-10-20140224	480-55212-6	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/k
LT-G-029-0-2-20140224	480-55212-7	MERCURY	2/27/2014	0.025	Yes	Υ				0.022	0.0088	mg/k
LT-G-029-2-4-20140224	480-55212-8	MERCURY	2/27/2014	0.011	Yes	Υ	J		J	0.022	0.0088	mg/k
LT-G-029-8-10-20140224	480-55212-9	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/k
LT-G-030-0-2-20140224	480-55212-12	MERCURY	2/27/2014	0.012	Yes	Υ	J		J	0.020	0.0082	mg/k
LT-G-030-4-6-20140224	480-55212-13	MERCURY	2/27/2014	0.01	Yes	Υ	J		J	0.022	0.0090	mg/k
LT-G-030-6-8-20140224	480-55212-14	MERCURY	2/27/2014	0.009	Yes	Υ	J		j	0.022	0.0089	mg/k
LT-G-031-0-2-20140224	480-55212-15	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0083	mg/k

Analytical Method SW	7471B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units_
LT-G-031-4-6-20140224	480-55212-16	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MERCURY	2/27/2014		Yes	N	U		U	0.023	0.0093	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-G-032-6-8-20140224	480-55212-20	MERCURY	2/27/2014	0.012	Yes	Υ	J		J	0.021	0.0084	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0087	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0082	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0089	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MERCURY	2/27/2014		Yes	Ν	U		U	0.020	0.0081	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MERCURY	2/27/2014		Yes	N	. U		U	0.021	0.0083	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MERCURY	2/27/2014	0.1	Yes	Υ				0.020	0.0080	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/kg
Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678181A	4801678181A	DIELDRIN	2/28/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801678181A	4801678181A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801678181A	4801678181A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801678181A	4801678181A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801678181A	4801678181A	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801678181A	4801678181A	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801678181A	4801678181A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801678181A	4801678181A	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg

Analytical Method	SW8081B									-		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Fi	nal qual	RL	<u>MDL</u>	Units
4801678181A	4801678181A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801678181A	4801678181A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801678181A	4801678181A	TOXAPHENE	2/28/2014		Yes	N	U		U	16	9.5	ug/kg
4801678181A	4801678181A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801678181A	4801678181A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801678181A	4801678181A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801678181A	4801678181A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801678181A	4801678181A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801678181A	4801678181A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801678181A	4801678181A	ALDRIN	2/28/2014		Yes	N	υ		U	1.6	0.40	ug/kg
4801678181A	4801678181A	ENDRIN	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801678181A	4801678181A	P,P'-DDT	2/28/2014		Yes	N	U		υ	1.6	0.17	ug/kg
4801678181A	4801678181A	P,P'-DDE	2/28/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801678191A	4801678191A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678191A	4801678191A	TOXAPHENE	2/28/2014		Yes	N	U		U	17	9.6	ug/kg
4801678191A	4801678191A	P,P'-DDT	2/28/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678191A	4801678191A	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801678191A	4801678191A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801678191A	4801678191A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678191A	4801678191A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678191A	4801678191A	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801678191A	4801678191A	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801678191A	4801678191A	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678191A	4801678191A	ENDRIN KETONE	2/28/2014		Yes .	N	U		U	1.7	0.41	ug/kg

Analytical Method	SW8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678191A	4801678191A	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678191A	4801678191A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678191A	4801678191A	DIELDRIN	2/28/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801678191A	4801678191A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801678191A	4801678191A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678191A	4801678191A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678191A	4801678191A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	υ		U	1.7	0.30	ug/kg
4801678191A	4801678191A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678191A	4801678191A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678191A	4801678191A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		υ	1.7	0.18	ug/kg
4801678491A	4801678491A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	0.050	0.016	ug/l
4801678491A	4801678491A	P,P'-DDT	2/27/2014		Yes	N	U		U	0.050	0.011	ug/l
4801678491A	4801678491A	P,P'-DDE	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	P,P'-DDD	2/27/2014		Yes	N	U		υ	0.050	0.0092	ug/l
4801678491A	4801678491A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	0.050	0.014	ug/l
4801678491A	4801678491A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801678491A	4801678491A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	0.050	0.011	ug/l
4801678491A	4801678491A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	TOXAPHENE	2/27/2014		Yes	N	U		U	0.50	0.12	ug/l
4801678491A	4801678491A	ENDRIN	2/27/2014		Yes	N	U		U	0.050	0.014	ug/l
4801678491A	4801678491A	HEPTACHLOR	2/27/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801678491A	4801678491A	DIELDRIN	2/27/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801678491A	4801678491A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.050	0.010	ug/l

Analytical Method	SW8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Vai Qual	Final qual	RL	MDL	Units
4801678491A	4801678491A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		υ	0.050	0.025	ug/l
4801678491A	4801678491A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		υ	0.050	0.011	ug/l
4801678491A	4801678491A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	0.050	0.015	ug/l
4801678491A	4801678491A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801678491A	4801678491A	ALDRIN	2/27/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801678491A	4801678491A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	0.050	0.016	ug/l
4801678491A	4801678491A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801680031A	4801680031A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801680031A	4801680031A	ALDRIN	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801680031A	4801680031A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801680031A	4801680031A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801680031A	4801680031A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801680031A	4801680031A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801680031A	4801680031A	DIELDRIN	2/28/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801680031A	4801680031A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801680031A	4801680031A	ENDRIN	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801680031A	4801680031A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801680031A	4801680031A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801680031A	4801680031A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801680031A	4801680031A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801680031A	4801680031A	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801680031A	4801680031A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg

Analytical Method S	W8081B										
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual Final qual	RL	MDL	Units
4801680031A	4801680031A	TOXAPHENE	2/28/2014		Yes	N	U	U	16	9.5	ug/kg
4801680031A	4801680031A	HEPTACHLOR	2/28/2014		Yes	N	U	U	1.6	0.25	ug/kg
4801680031A	4801680031A	P,P'-DDT	2/28/2014		Yes	N	U	U	1.6	0.17	ug/kg
4801680031A	4801680031A	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.6	0.52	ug/kg
4801680031A	4801680031A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.6	0.20	ug/kg
4801680031A	4801680031A	P,P'-DDE	2/28/2014		Yes	N	U	υ	1.6	0.24	ug/kg
DUP029-20140224	480-55212-10	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
DUP029-20140224	480-55212-10	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDE	2/28/2014		Yes	N	U	U	1.8	0.27	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
DUP029-20140224	480-55212-10	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDT	2/28/2014		Yes	N	U	U	1.8	0.18	ug/kg
DUP029-20140224	480-55212-10	TOXAPHENE	2/28/2014		Yes	N	U	U	18	10	ug/kg
DUP029-20140224	480-55212-10	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
DUP029-20140224	480-55212-10	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
DUP029-20140224	480-55212-10	DIELDRIN	2/28/2014		Yes	N	U	U	1.8	0.43	ug/kg
DUP029-20140224	480-55212-10	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.57	ug/kg
DUP029-20140224	480-55212-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	υ	U	1.8	0.32	ug/kg
DUP029-20140224	480-55212-10	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
DUP029-20140224	480-55212-10	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
DUP029-20140224	480-55212-10	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	υ	1.8	0.33	ug/kg
DUP029-20140224	480-55212-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.58	Yes	Υ	J	J	1.8	0.24	ug/kg
DUP029-20140224	480-55212-10	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.32	ug/kg
DUP029-20140224	480-55212-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.53	Yes	Υ	J	J	1.8	0.19	ug/kg

Analytical Method	SW8081B										
Sample ID	Lab Sample i D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.23	ug/kg
DUP029-20140224	480-55212-10	HEPTACHLOR	2/28/2014		Yes	N	U	υ	1.8	0.28	ug/kg
DUP029-20140224	480-55212-10	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.89	ug/kg
DUP030-20140224	480-55212-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.24	ug/kg
DUP030-20140224	480-55212-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
DUP030-20140224	480-55212-11	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.90	ug/kg
DUP030-20140224	480-55212-11	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.23	ug/kg
DUP030-20140224	480-55212-11	BETA ENDOSULFAN	2/28/2014		Yes	N	υ	U	1.8	0.33	ug/kg
DUP030-20140224	480-55212-11	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.45	ug/kg
DUP030-20140224	480-55212-11	DIELDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
DUP030-20140224	480-55212-11	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.8	0.34	ug/kg
DUP030-20140224	480-55212-11	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
DUP030-20140224	480-55212-11	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDT	2/28/2014		Yes	N	U	U	1.8	0.19	ug/kg
DUP030-20140224	480-55212-11	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
DUP030-20140224	480-55212-11	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.58	ug/kg
DUP030-20140224	480-55212-11	HEPTACHLOR	2/28/2014		Yes	N	U	U	1.8	0.28	ug/kg
DUP030-20140224	480-55212-11	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.47	ug/kg
DUP030-20140224	480-55212-11	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
DUP030-20140224	480-55212-11	TOXAPHENE	2/28/2014		Yes	N	U	U	18	11	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDE	2/28/2014		Yes	N	U	U	1.8	0.27	ug/kg
DUP030-20140224	480-55212-11	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.45	ug/kg
DUP030-20140224	480-55212-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.20	ug/kg

SDG: 480552121

Analytical Method	SW8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Fina	al qual	RL	MDL	Units
FB029-20140224	480-55212-30	P,P'-DDE	2/27/2014		Yes	N	U	U	1	0.055	0.013	ug/l
FB029-20140224	480-55212-30	P,P'-DDD	2/27/2014		Yes	N	U	U	I	0.055	0.010	ug/l
FB029-20140224	480-55212-30	METHOXYCHLOR	2/27/2014		Yes	N	U	U	l	0.055	0.015	ug/l
FB029-20140224	480-55212-30	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U	U	I	0.055	0.0058	ug/l
FB029-20140224	480-55212-30	HEPTACHLOR	2/27/2014		Yes	N	U	U	ı	0.055	0.0093	ug/l
FB029-20140224	480-55212-30	GAMMA CHLORDANE	2/27/2014		Yes	N	U	U	ı	0.055	0.012	ug/l
FB029-20140224	480-55212-30	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U	U	I	0.055	0.0066	ug/l
FB029-20140224	480-55212-30	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U	U	ı	0.055	0.018	ug/l
FB029-20140224	480-55212-30	P,P'-DDT	2/27/2014		Yes	N	U	U	ı	0.055	0.012	ug/l
FB029-20140224	480-55212-30	ENDRIN KETONE	2/27/2014		Yes	N	U	U	ŀ	0.055	0.013	ug/i
FB029-20140224	480-55212-30	ALDRIN	2/27/2014		Yes	N	U	υ	ı	0.055	0.0072	ug/l
FB029-20140224	480-55212-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	ı	0.055	0.0072	ug/l
FB029-20140224	480-55212-30	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U	U	l	0.055	0.017	ug/l
FB029-20140224	480-55212-30	DIELDRIN	2/27/2014		Yes	N	U	U	l	0.055	0.011	ug/l
FB029-20140224	480-55212-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	ı	0.055	0.011	ug/l
FB029-20140224	480-55212-30	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U	U	l	0.055	0.012	ug/l
FB029-20140224	480-55212-30	BETA ENDOSULFAN	2/27/2014		Yes	N	U	U	l	0.055	0.013	ug/l
FB029-20140224	480-55212-30	TOXAPHENE	2/27/2014		Yes	N	υ	U	l	0.55	0.13	ug/l
FB029-20140224	480-55212-30	ENDRIN	2/27/2014		Yes	N	U	u	I	0.055	0.015	ug/l
FB029-20140224	480-55212-30	ALPHA CHLORDANE	2/27/2014		Yes	N	U	U	ı	0.055	0.016	ug/l
FB029-20140224	480-55212-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U	U	I	0.055	0.027	ug/l
LT-C-060-0-2-2014022	4 480-55212-1	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	Ī	1.9	0.94	ug/kg
LT-C-060-0-2-2014022	4 480-55212-1	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	i	1.9	0.35	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	3.4	Yes	Υ				1.9	0.25	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALPHA ENDOSULFAN	2/28/2014	2.6	Yes	Υ		JN	JN	1.9	0.24	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.79	Yes	Υ	J		J	1.9	0.20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN ALDEHYDE	2/28/2014	0.9	Yes	Υ	J	J	J	1.9	0.48	ug/kg
LT-C-060-0-2-20140224	480-55212-1	GAMMA BHC (LINDANE)	2/28/2014	0.72	Yes	Ÿ	J		J	1.9	0.23	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIELDRIN	2/28/2014	9.8	Yes	Υ		JN	JN	1.9	0.45	ug/kg
LT-C-060-0-2-20140224	480-55212-1	GAMMA CHLORDANE	2/28/2014	4.9	Yes	Υ		j	J	1.9	0.60	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEPTACHLOR	2/28/2014	2.6	Yes	Υ		JN	JN	1.9	0.30	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEPTACHLOR EPOXIDE	2/28/2014	14	Yes	Υ		J	J	1.9	0.49	ug/kg
LT-C-060-0-2-20140224	480-55212-1	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDE	2/28/2014	5.7	Yes	Υ		J	J	1.9	0.28	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDT	2/28/2014	6.1	Yes	Υ		JN	JN	1.9	0.19	ug/kg
LT-C-060-0-2-20140224	480-55212-1	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN KETONE	2/28/2014		Yes	N	U		υ	1.9	0.46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-060-4-6-20140224	480-55212-2	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.55	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.19	ug/kg
LT-C-060-4-6-20140224	480-55212-2	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg

Analytical Method SW	3081B											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.33	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		υ	1.7	0.22	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.27	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-060-4-6-20140224	480-55212-2	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.34	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDT	2/28/2014	0.69	Yes	Υ	J		J	1.7	0.18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	TOXAPHENE	2/28/2014		Yes	N	U		U	17	10	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIELDRIN	2/28/2014		Yes	N	U		U	1.7	0.42	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA CHLORDANE	2/28/2014		Yes	N	U		υ	1.7	0.87	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		υ	1.8	0.47	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	GAMMA BHC (LINDANE)	2/28/2014	0.46	Yes	Υ	J		J	1.8	0.23	ug/kg
LT-C-060-8-10-20140224	480-55212-3	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.59	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	HEPTACHLOR	2/28/2014		Yes	N	υ		U	1.8	0.29	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.48	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-060-8-10-20140224	480-55212-3	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.92	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.95	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALDRIN	2/28/2014		Yes	N	U		υ	1.9	0.47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.61	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-028-0-2-20140224	480-55212-4	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg

Analytical Method SW	8081B								-	-	
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	DIELDRIN	2/28/2014		Yes	N	U	U	1.9	0.46	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.9	0.34	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEPTACHLOR	2/28/2014		Yes	N	U	U	1.9	0.30	ug/kg
LT-G-028-0-2-20140224	480-55212-4	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.9	0.26	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.9	0.24	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.9	0.21	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.9	0.25	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDD	2/28/2014		Yes	N	U	U	1.9	0.37	ug/kg
LT-G-028-0-2-20140224	480-55212-4	TOXAPHENE	2/28/2014		Yes	N	U	U	19	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDE	2/28/2014	0.65	Yes	Υ	J	J	1.9	0.29	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	υ	1.9	0.49	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDT	2/28/2014		Yes	N	U	U	1.9	0.19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDT	2/28/2014		Yes	N	U	U	1.8	0.18	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-028-4-6-20140224	480-55212-5	TOXAPHENE	2/28/2014		Yes	N	U	U	18	10	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEPTACHLOR	2/28/2014		Yes	N	U	U	1.8	0.28	ug/kg
LT-G-028-4-6-20140224	480-55212-5	GAMMA CHLORDANE	2/28/2014		Yes	N	U	υ	1.8	0.57	ug/kg
LT-G-028-4-6-20140224	480-55212-5	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN	2/28/2014		Yes	N	U	υ	1.8	0.25	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	ENDOSULFAN SULFATE	2/28/2014		Yes	N	υ		U	1.8	0.33	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-028-8-10-20140224	480-55212-6	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-028-8-10-20140224	480-55212-6	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-028-8-10-20140224	480-55212-6	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	METHOXYCHLOR	2/28/2014	0.55	Yes	Υ	j		J	1.8	0.25	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg

Analytical Motilea	3081B										11_24 -
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.90	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.23	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA ENDOSULFAN	2/28/2014	0.42	Yes	Υ	J	J	1.8	0.23	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.42	Yes	Υ	J	J	1.8	0.20	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.42	Yes	Υ	J	J	1.8	0.33	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.90	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIELDRIN	2/28/2014	0.48	Yes	Υ	J	J	1.8	0.43	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.24	ug/kg
LT-G-029-0-2-20140224	480-55212-7	P,P'-DDD	2/28/2014	0.62	Yes	Υ	J	J	1.8	0.35	ug/kg
LT-G-029-0-2-20140224	480-55212-7	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-029-0-2-20140224	480-55212-7	TOXAPHENE	2/28/2014		Yes	N	U	U	18	11	ug/kg
LT-G-029-0-2-20140224	480-55212-7	P,P'-DDE	2/28/2014	1.7	Yes	Υ	J	J	1.8	0.27	ug/kg
LT-G-029-0-2-20140224	480-55212-7	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.47	ug/kg
LT-G-029-0-2-20140224	480-55212 - 7	HEPTACHLOR	2/28/2014		Yes	N	U	υ	1.8	0.28	ug/kg
LT-G-029-0-2-20140224	480-55212-7	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.57	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.8	0.34	ug/kg

Analytical Method SW	8081B								-			
Sample ID	Lab Sample ID	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	ENDRIN	2/28/2014		Yes	N	U	•	U	1.8	0.25	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-029-0-2-20140224	480-55212 - 7	P,P'-DDT	2/28/2014	1.4	Yes	Υ	J		J	1.8	0.18	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	Ν	U		U	1.9	0.34	ug/kg
LT-G-029-2-4-20140224	480-55212-8	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.60	ug/kg
LT-G-029-2-4-20140224	480-55212-8	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-029-2-4-20140224	480-55212-8	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIELDRIN	2/28/2014	0.58	Yes	Υ	J		J	1.9	0.46	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.44	Yes	Υ	J		J	1.9	0.21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.95	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDT	2/28/2014	1.6	Yes	Υ	J		J	1.9	0.19	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDE	2/28/2014	0.64	Yes	Υ	J		J	1.9	0.29	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDD	2/28/2014	0.48	Yes	Υ	J		J	1.9	0.37	ug/kg
LT-G-029-2-4-20140224	480-55212-8	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.34	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIELDRIN	2/28/2014		Yes	N	υ		U	1.7	0.42	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.33	ug/kg
LT-G-029-8-10-20140224	480-55212-9	TOXAPHENE	2/28/2014		Yes	N	U		U	17	10	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.27	ug/kg
LT-G-029-8-10-20140224	480-55212-9	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.55	ug/kg
LT-G-029-8-10-20140224	480-55212-9	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.87	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDT	2/28/2014		Yes	N	U		υ	1.7	0.18	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	TOXAPHENE	2/28/2014		Yes	N	U	UJ	UJ	18	11	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDE	2/28/2014	0.78	Yes	Υ	J	U	U	1.8	0.27	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-030-0-2-20140224	480-55212-12	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
LT-G-030-0-2-20140224	480-55212-12	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-030-0-2-20140224	480-55212-12	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	ŲJ	UJ	1.8	0.19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALDRIN	2/28/2014		Yes	N	U	IJ	UJ	1.8	0.44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEPTACHLOR	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEPTACHLOR	2/28/2014		Yes	N	υ		U	1.8	0.28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-030-4-6-20140224	480-55212-13	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-030-4-6-20140224	480-55212-13	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDE	2/28/2014	0.49	Yes	Υ	J		J	1.8	0.27	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-030-4-6-20140224	480-55212-13	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.93	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	METHOXYCHLOR	2/28/2014	0.64	Yes	Υ	J		J	1.9	0.26	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN	2/28/2014		Yes	N	U		υ	1.9	0.26	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEPTACHLOR	2/28/2014		Yes	N	U		υ	1.9	0.29	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	υ	υ	1.9	0.20	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.9	0.34	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.9	0.25	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.9	0.35	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.9	0.34	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.9	0.48	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.9	0.46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.9	0.23	ug/kg
LT-G-030-6-8-20140224	480-55212-14	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.9	0.59	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDE	2/28/2014		Yes	N	U	U	1.9	0.28	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDT	2/28/2014		Yes	N	U	U	1.9	0.19	ug/kg
LT-G-030-6-8-20140224	480-55212-14	TOXAPHENE	2/28/2014		Yes	N	U	U	19	11	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIELDRIN	2/28/2014		Yes	N	U	U	1.9	0.45	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIELDRIN	2/28/2014		Yes	N	U	U	1.8	0.43	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
LT-G-031-0-2-20140224	480-55212-15	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.47	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEPTACHLOR	2/28/2014		Yes	N	U	U	1.8	0.28	ug/kg
LT-G-031-0-2-20140224	480-55212-15	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-031-0-2-20140224	480-55212-15	TOXAPHENE	2/28/2014		Yes	N	U	U	18	11	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.8	0.34	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample D	Chemical Name	<u>Anal</u> Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.24	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	, N	U	U	1.8	0.20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.23	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.90	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDE	2/28/2014		Yes	N	U	U	1.8	0.27	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDT	2/28/2014		Yes	N	U	U	1.8	0.18	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIELDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.47	Yes	Υ	J	J	1.8	0.24	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-031-4-6-20140224	480-55212-16	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.47	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDOSULFAN SULFATE	2/28/2014		Yes	N	υ	U	1.8	0.34	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDT	2/28/2014		Yes	N	U		υ	1.8	0.19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-031-6-8-20140224	480-55212-17	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-031-6-8-20140224	480-55212-17	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		υ	1.8	0.47	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-031-6-8-20140224	480-55212-17	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-031-6-8-20140224	480-55212-17	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALDRIN	2/28/2014		Yes	N	U		υ	1.8	0.45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		υ	1.8	0.33	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEPTACHLOR EPOXIDE	2/28/2014		Yes	Ν	U		U	1.8	0.46	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-0-2-20140224	480-55212-18	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-0-2-20140224	480-55212-18	TOXAPHENE	2/28/2014		Yes	N	U		υ	18	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-032-0-2-20140224	480-55212-18	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-032-0-2-20140224	480-55212-18	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.37	Yes	Υ	J		J	1.8	0.19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg

Analytical Method SW	8081B										
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BETA ENDOSULFAN	2/28/2014		Yes	N	U	υ	1.8	0.32	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEPTACHLOR	2/28/2014		Yes	N	U	υ	1.8	0.28	ug/kg
LT-G-032-4-6-20140224	480-55212-19	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.57	ug/kg
LT-G-032-4-6-20140224	480-55212-19	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN ALDEHYDE	2/28/2014		Yes	N	υ	υ	1.8	0.46	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIELDRIN	2/28/2014		Yes	N	U	υ	1.8	0.43	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	υ	1.8	0.24	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.22	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.32	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-032-4-6-20140224	480-55212-19	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.89	ug/kg
LT-G-032-4-6-20140224	480-55212-19	TOXAPHENE	2/28/2014		Yes	N	U	U	18	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDT	2/28/2014		Yes	N	Ų	U	1.8	0.18	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDE	2/28/2014		Yes	N	U	U	1.8	0.27	ug/kg

mary tour motion	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final	<u>ual</u>	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U		1.8	0.56	ug/kg
LT-G-032-6-8-20140224	480-55212-20	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U		1.8	0.22	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN KETONE	2/28/2014		Yes	N	U	U		1.8	0.43	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN ALDEHYDE	2/28/2014		Yes	N	υ	U		1.8	0.45	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIELDRIN	2/28/2014		Yes	N	U	U		1.8	0.42	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U		1.8	0.23	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN	2/28/2014		Yes	N	U	U		1.8	0.24	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U		1.8	0.33	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEPTACHLOR	2/28/2014		Yes	N	U	U		1.8	0.28	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U		1.8	0.32	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U		1.8	0.32	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDT	2/28/2014	0.77	Yes	Υ	J	J		1.8	0.18	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U		1.8	0.22	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U		1.8	0.45	ug/kg
LT-G-032-6-8-20140224	480-55212-20	METHOXYCHLOR	2/28/2014	0.46	Yes	Υ	J	J		1.8	0.24	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDE	2/28/2014		Yes	N	U	U		1.8	0.26	ug/kg
LT-G-032-6-8-20140224	480-55212-20	TOXAPHENE	2/28/2014		Yes	N	U	U		18	10	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALDRIN	2/28/2014		Yes	N	U	U		1.8	0.43	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U		1.8	0.87	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.25	Yes	Υ	J	J		1.8	0.19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDD	2/28/2014		Yes	N	U	U		1.8	0.34	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U		1.8	0.24	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	υ	U		1.8	0.47	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual 1	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-0-2-20140224	480-55212-21	METHOXYCHLOR	2/28/2014	0.94	Yes	Υ	J		J	1.8	0.25	ug/kg
LT-G-033-0-2-20140224	480-55212-21	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA ENDOSULFAN	2/28/2014		Yes	N	υ		U	1.8	0.23	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-0-2-20140224	480-55212-21	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg

SDG: 480552121

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-2-4-20140224	480-55212-22	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-2-4-20140224	480-55212-22	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-033-2-4-20140224	480-55212-22	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-2-4-20140224	480-55212-22	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIELDRIN	2/28/2014		Yes	N	U		υ	1.8	0.43	ug/kg
LT-G-033-6-8-20140224	480-55212-23	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDT	2/28/2014		Yes	N	U		υ	1.8	0.18	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-6-8-20140224	480-55212-23	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-6-8-20140224	480-55212-23	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDT	2/28/2014		Yes	N	U		U	18	1.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	TOXAPHENE	2/28/2014		Yes	N	U		U	180	100	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	18	3.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALDRIN	2/28/2014		Yes	N	U		U	18	4.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	3.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	18	8.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	1.9	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDE	2/28/2014		Yes	N	U		U	18	2.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	2.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIELDRIN	2/28/2014		Yes	N	U		υ	18	4.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN	2/28/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDD	2/28/2014		Yes	N	U		U	18	3.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	18	2.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	18	5.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEPTACHLOR	2/28/2014		Yes	N	U		U	18	2.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	18	4.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	METHOXYCHLOR	2/28/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN KETONE	2/28/2014		Yes	Ν	U		U	18	4.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	18	2.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	2.1	Yes	Υ				1.8	0.19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-034-2-4-20140224	480-55212-25	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALDRIN	2/28/2014		Yes	N	Ų		U	1.8	0.44	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-034-2-4-20140224	480-55212-25	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-034-2-4-20140224	480-55212-25	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		υ	1.8	0.45	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-G-034-6-8-20140224	480-55212-26	TOXAPHENE	2/28/2014		Yes	Ν	U		υ	18	11	ug/kg
LT-G-034-6-8-20140224	480-55212-26	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.29	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-034-6-8-20140224	480-55212-26	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.4	Yes	Υ	J		J	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIELDRIN	2/28/2014		Yes	N	U		υ	1.8	0.44	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.92	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIELDRIN	2/28/2014		Yes	N	U		U	1.9	0.44	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.59	ug/kg
LT-G-035-0-2-20140224	480-55212-27	TOXAPHENE	2/28/2014		Yes	N	U		υ	19	11	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDE	2/28/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-G-035-0-2-20140224	480-55212-27	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDT	2/28/2014	0.69	Yes	Υ	J		J	1.9	0.19	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.29	ug/kg

Analytical Method SW	8081B										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual \	lal Qual Final qual	RL	MDL_	Units
LT-G-035-0-2-20140224	480-55212-27	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	U	1.9	0.23	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.47	Yes	Υ	J	J	1.9	0.24	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN KETONE	2/28/2014		Yes	N	U	U	1.9	0.46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.9	0.48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDD	2/28/2014		Yes	N	U	U	1.8	0.35	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.32	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.89	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.23	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	U	1.8	0.19	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BETA ENDOSULFAN	2/28/2014		Yes	N	U	U	1.8	0.32	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.51	Yes	Υ	J	J	1.8	0.24	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIELDRIN	2/28/2014		Yes	N	U	U	1.8	0.43	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U	U	1.8	0.33	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDT	2/28/2014		Yes	N	U	U	1.8	0.18	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALDRIN	2/28/2014		Yes	N	U	U	1.8	0.44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-035-2-4-20140224	480-55212-28	TOXAPHENE	2/28/2014		Yes	N	U	U	18	10	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U	U	1.8	0.46	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDE	2/28/2014		Yes	N	U	U	1.8	0.27	ug/kg
LT-G-035-2-4-20140224	480-55212-28	METHOXYCHLOR	2/28/2014		Yes	N	U	U	1.8	0.25	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEPTACHLOR	2/28/2014		Yes	N	υ	U	1.8	0.28	ug/kg
LT-G-035-2-4-20140224	480-55212-28	GAMMA CHLORDANE	2/28/2014		Yes	N	U	U	1.8	0.57	ug/kg

Analytical Method SW	8081B											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		υ	1.8	0.23	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.42	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-035-6-8-20140224	480-55212-29	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-6-8-20140224	480-55212-29	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-035-6-8-20140224	480-55212-29	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-035-6-8-20140224	480-55212-29	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg

Analytical Method	SW8260C					-					
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U	U	1.0	0.81	ug/l
4801678467	4801678467	ETHYLBENZENE	2/27/2014		Yes	N	U	U	1.0	0.74	ug/l
4801678467	4801678467	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/27/2014		Yes	N	U	U	5.0	2.1	ug/l
4801678467	4801678467	METHYL ETHYL KETONE (2- BUTANONE)	2/27/2014		Yes	N	U	U	10	1.3	ug/l
4801678467	4801678467	METHYL ACETATE	2/27/2014		Yes	N	U	U	2.5	0.50	ug/l
4801678467	4801678467	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U	U	1.0	0.79	ug/l
4801678467	4801678467	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U	U	1.0	0.68	ug/l
4801678467	4801678467	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	υ	U	1.0	0.32	ug/l
4801678467	4801678467	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U	U	1.0	0.16	ug/l
4801678467	4801678467	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U	υ	1.0	0.36	ug/l
4801678467	4801678467	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U	U	1.0	0.16	ug/l
4801678467	4801678467	CYCLOHEXANE	2/27/2014		Yes	N	U	U	1.0	0.18	ug/l
4801678467	4801678467	METHYLENE CHLORIDE	2/27/2014		Yes	N	U	U	1.0	0.44	ug/l
4801678467	4801678467	N-BUTYLBENZENE	2/27/2014		Yes	N	U	U	1.0	0.64	ug/l
4801678467	4801678467	N-PROPYLBENZENE	2/27/2014		Yes	N	U	U	1.0	0.69	ug/l
4801678467	4801678467	SEC-BUTYLBENZENE	2/27/2014		Yes	N	U	U	1.0	0.75	ug/l
4801678467	4801678467	CHLOROMETHANE	2/27/2014		Yes	N	U	U	1.0	0.35	ug/l
4801678467	4801678467	T-BUTYLBENZENE	2/27/2014		Yes	N	U	U	1.0	0.81	ug/l
4801678467	4801678467	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U	U	1.0	0.39	ug/l
4801678467	4801678467	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U	U	1.0	0.36	ug/l
4801678467	4801678467	TOLUENE	2/27/2014		Yes	N	U	U	1.0	0.51	ug/l
4801678467	4801678467	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U	U	1.0	0.90	ug/l
4801678467	4801678467	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U	U	1.0	0.37	ug/l
4801678467	4801678467	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U	U	1.0	0.46	ug/l

Analytical Method	SW8260C											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.88	ug/l
4801678467	4801678467	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
4801678467	4801678467	STYRENE	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
4801678467	4801678467	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.72	ug/l
4801678467	4801678467	CHLOROFORM	2/27/2014		Yes	N	U		U	1.0	0.34	ug/l
4801678467	4801678467	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	υ		U	1.0	0.82	ug/l
4801678467	4801678467	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/i
4801678467	4801678467	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.31	ug/l
4801678467	4801678467	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.23	ug/l
4801678467	4801678467	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.38	ug/l
4801678467	4801678467	1,1-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.29	ug/l
4801678467	4801678467	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
4801678467	4801678467	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
4801678467	4801678467	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
4801678467	4801678467	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		υ	1.0	0.73	ug/l
4801678467	4801678467	BROMOMETHANE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l
4801678467	4801678467	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l
4801678467	4801678467	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	2.0	0.66	ug/l
4801678467	4801678467	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	1.0	0.77	ug/l
4801678467	4801678467	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.78	ug/l
4801678467	4801678467	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U		υ	1.0	0.84	ug/l
4801678467	4801678467	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		U	40	9.3	ug/l
4801678467	4801678467	2-HEXANONE	2/27/2014		Yes	N	U		U	5.0	1.2	ug/l
4801678467	4801678467	ACETONE	2/27/2014		Yes	N	U		U	10	3.0	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	BENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
4801678467	4801678467	BROMOFORM	2/27/2014		Yes	N	U		U	1.0	0.26	ug/l
4801678467	4801678467	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	1.0	0.19	ug/l
4801678467	4801678467	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.27	ug/l
4801678467	4801678467	CHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
4801678467	4801678467	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
4801678467	4801678467	CHLOROBENZENE	2/27/2014		Yes	, N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.82	ug/l
FB029-20140224	480-55212-30	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	1.0	0.77	ug/l
FB029-20140224	480-55212-30	CHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
FB029-20140224	480-55212-30	CHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		υ	1.0	0.27	ug/l
FB029-20140224	480-55212-30	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	1.0	0.19	ug/l
FB029-20140224	480-55212-30	BROMOMETHANE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l
FB029-20140224	480-55212-30	BROMOFORM	2/27/2014		Yes	N	U		U	1.0	0.26	ug/l
FB029-20140224	480-55212-30	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
FB029-20140224	480-55212-30	BENZENE	2/27/2014		Yes	N	U		υ	1.0	0.41	ug/l
FB029-20140224	480-55212-30	ACETONE	2/27/2014		Yes	N	U		U	10	3.0	ug/l
FB029-20140224	480-55212-30	2-HEXANONE	2/27/2014		Yes	N	U		U	5.0	1.2	ug/l
FB029-20140224	480-55212-30	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		υ	40	9.3	ug/l
FB029-20140224	480-55212-30	CHLOROFORM	2/27/2014		Yes	N	U		U	1.0	0.34	ug/l
FB029-20140224	480-55212-30	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.78	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.72	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
FB029-20140224	480-55212-30	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
FB029-20140224	480-55212-30	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
FB029-20140224	480-55212-30	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
FB029-20140224	480-55212-30	1,1-DICHLOROETHENE	2/27/2014		Yes	N	υ		U	1.0	0.29	ug/l
FB029-20140224	480-55212-30	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.38	ug/l
FB029-20140224	480-55212-30	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.23	ug/l
FB029-20140224	480-55212-30	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l
FB029-20140224	480-55212-30	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/27/2014		Yes	N	υ		U	1.0	0.31	ug/l
FB029-20140224	480-55212-30	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	2.0	0.66	ug/l
FB029-20140224	480-55212-30	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.84	ug/l
FB029-20140224	480-55212-30	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
FB029-20140224	480-55212-30	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.88	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
FB029-20140224	480-55212-30	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
FB029-20140224	480-55212-30	CHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.35	ug/l
FB029-20140224	480-55212-30	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U		U	1.0	0.46	ug/l
FB029-20140224	480-55212-30	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.37	ug/l
FB029-20140224	480-55212-30	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
FB029-20140224	480-55212-30	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
FB029-20140224	480-55212-30	T-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
FB029-20140224	480-55212-30	STYRENE	2/27/2014		Yes	N	υ		U	1.0	0.73	ug/l
FB029-20140224	480-55212-30	SEC-BUTYLBENZENE	2/27/2014		Yes	N	υ		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	N-PROPYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l

Analytical Method	SW8260C											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	al Qual	Final gual	RL	MDL	Units
FB029-20140224	480-55212-30	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
FB029-20140224	480-55212-30	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
FB029-20140224	480-55212-30	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
FB029-20140224	480-55212-30	CYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.18	ug/l
FB029-20140224	480-55212-30	TOLUENE	2/27/2014		Yes	N	U		U	1.0	0.51	ug/l
FB029-20140224	480-55212-30	N-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.64	ug/l
FB029-20140224	480-55212-30	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.68	ug/l
FB029-20140224	480-55212-30	ETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.74	ug/l
FB029-20140224	480-55212-30	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
FB029-20140224	480-55212-30	METHYL ACETATE	2/27/2014		Yes	N	U		U	2.5	0.50	ug/l
FB029-20140224	480-55212-30	METHYL ETHYL KETONE (2- BUTANONE)	2/27/2014		Yes	N	U		U	10	1.3	ug/l
FB029-20140224	480-55212-30	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/27/2014		Yes	N	U		U	5.0	2.1	ug/l
FB029-20140224	480-55212-30	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
FB029-20140224	480-55212-30	METHYLENE CHLORIDE	2/27/2014	0.74	Yes	Y	J		J	1.0	0.44	ug/l
Analytical Method	SW8270D					_						
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	lal Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	5.0	1.8	ug/l
4801678471A	4801678471A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.22	ug/l
4801678471A	4801678471A	DIBENZOFURAN	2/28/2014		Yes	N	U		U	10	0.51	ug/l
4801678471A	4801678471A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
48016784 7 1A	4801678471A	CHRYSENE	2/28/2014		Yes	N	U		U	5.0	0.33	ug/l
4801678471A	4801678471A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.73	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	CAPROLACTAM	2/28/2014		Yes	N	U		U	5.0	2.2	ug/l
4801678471A	4801678471A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	5.0	0.68	ug/l
4801678471A	4801678471A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	5.0	0.52	ug/l
4801678471A	4801678471A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801678471A	4801678471A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	5.0	0.65	ug/l
4801678471A	4801678471A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	υ		U	5.0	0.42	ug/l
4801678471A	4801678471A	CARBAZOLE	2/28/2014		Yes	N	U		U	5.0	0.30	ug/l
4801678471A	4801678471A	NITROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.29	ug/l
4801678471A	4801678471A	2-CHLOROPHENOL	2/28/2014		Yes	Ν	U		U	5.0	0.53	ug/l
4801678471A	4801678471A	PYRENE	2/28/2014		Yes	N	Ù		U	5.0	0.34	ug/l
4801678471A	4801678471A	PHENOL	2/28/2014		Yes	N	U		υ	5.0	0.39	ug/l
4801678471A	4801678471A	PHENANTHRENE	2/28/2014		Yes	N	U		U	5.0	0.44	ug/l
4801678471A	4801678471A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801678471A	4801678471A	FLUORENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	Ν	U		U	5.0	0.54	ug/l
4801678471A	4801678471A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801678471A	4801678471A	NAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.76	ug/l
4801678471A	4801678471A	ISOPHORONE	2/28/2014		Yes	N	U		υ	5.0	0.43	ug/l
4801678471A	4801678471A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801678471A	4801678471A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801678471A	4801678471A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.31	ug/l
4801678471A	4801678471A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.61	ug/l
4801678471A	4801678471A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		υ	10	2.2	ug/l
4801678471A	4801678471A	3-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.48	ug/l
4801678471A	4801678471A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2-NITROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801678471A	4801678471A	2-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.42	ug/l
4801678471A	4801678471A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	· U		U	5.0	0.40	ug/l
4801678471A	4801678471A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801678471A	4801678471A	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801678471A	4801678471A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801678471A	4801678471A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.50	ug/l
4801678471A	4801678471A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801678471A	4801678471A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801678471A	4801678471A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.60	ug/l
4801678471A	4801678471A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	5.0	0.27	ug/l
4801678471A	4801678471A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		υ	5.0	0.34	ug/l
4801678471A	4801678471A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	ATRAZINE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801678471A	4801678471A	ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.28	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801678471A	4801678471A	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	5.0	0.38	ug/l
4801678471A	4801678471A	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.5	ug/l
4801678471A	4801678471A	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.25	ug/l
4801678471A	4801678471A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.36	ug/l
4801678471A	4801678471A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		υ	5.0	0.35	ug/l
4801678471A	4801678471A	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.0	0.41	ug/l
4801678471A	4801678471A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801679191A	4801679191A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	170	4.4	ug/kg
4801679191A	4801679191A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	170	5.1	ug/kg
4801679191A	4801679191A	DIBENZOFURAN	2/28/2014		Yes	N	U		Ú	170	1.7	ug/kg
4801679191A	4801679191A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		υ	170	1.9	ug/kg
4801679191A	4801679191A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	CHRYSENE	2/28/2014		Yes	N	U		U	170	1.7	ug/kg
4801679191A	4801679191A	CARBAZOLE	2/28/2014		Yes	Ν	U		U	170	1.9	ug/kg
4801679191A	4801679191A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	170	9.1	ug/kg
4801679191A	4801679191A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	170	54	ug/kg
4801679191A	4801679191A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	υ		U	170	15	ug/kg
4801679191A	4801679191A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	170	58	ug/kg
4801679191A	4801679191A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	170	45	ug/kg
4801679191A	4801679191A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	170	10	ug/kg
4801679191A	4801679191A	CAPROLACTAM	2/28/2014		Yes	N	U		U	170	73	ug/kg
4801679191A	4801679191A	NAPHTHALENE	2/28/2014		Yes	N	U		U	170	2.8	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679191A	4801679191A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	170	51	ug/kg
4801679191A	4801679191A	PYRENE	2/28/2014		Yes	N	U		U	170	1.1	ug/kg
4801679191A	4801679191A	PHENANTHRENE	2/28/2014		Yes	N	U		U	170	3.5	ug/kg
4801679191A	4801679191A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	330	58	ug/kg
4801679191A	4801679191A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	170	9.2	ug/kg
4801679191A	4801679191A	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	170	13	ug/kg
4801679191A	4801679191A	NITROBENZENE	2/28/2014		Yes	N	U		U	170	7.5	ug/kg
4801679191A	4801679191A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	170	3.9	ug/kg
4801679191A	4801679191A	ISOPHORONE	2/28/2014		Yes	N	U		U	170	8.4	ug/kg
4801679191A	4801679191A	PHENOL	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		υ	170	8.6	ug/kg
4801679191A	4801679191A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	170	8.4	ug/kg
4801679191A	4801679191A	FLUORENE	2/28/2014		Yes	N	U		U	170	3.9	ug/kg
4801679191A	4801679191A	FLUORANTHENE	2/28/2014		Yes	N	U		U	170	2.4	ug/kg
4801679191A	4801679191A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	170	13	ug/kg
4801679191A	4801679191A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	170	11	ug/kg
4801679191A	4801679191A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	330	9.4	ug/kg
4801679191A	4801679191A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	170	3.6	ug/kg
4801679191A	4801679191A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	170	49	ug/kg
4801679191A	4801679191A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	170	6.9	ug/kg
4801679191A	4801679191A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	330	58	ug/kg
4801679191A	4801679191A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	170	150	ug/kg
4801679191A	4801679191A	2-NITROPHENOL	2/28/2014		Yes	N	U		U	170	7.7	ug/kg
4801679191A	4801679191A	2-NITROANILINE	2/28/2014		Yes	N	υ		U	330	54	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679191A	4801679191A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	170	5.2	ug/kg
4801679191A	4801679191A	4-NITROANILINE	2/28/2014		Yes	N	U		U	330	19	ug/kg
4801679191A	4801679191A	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	170	8.6	ug/kg
4801679191A	4801679191A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	170	53	ug/kg
4801679191A	4801679191A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	170	41	ug/kg
4801679191A	4801679191A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	170	26	ug/kg
4801679191A	4801679191A	2,4-DINITROPHENOL	2/28/2014		Yes	N	υ		U	330	59	ug/kg
4801679191A	4801679191A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	170	45	ug/kg
4801679191A	4801679191A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	170	8.8	ug/kg
4801679191A	4801679191A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	170	11	ug/kg
4801679191A	4801679191A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N ·	U		U	170	37	ug/kg
4801679191A	4801679191A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	ប		U	170	3.3	ug/kg
4801679191A	4801679191A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	170	4.7	ug/kg
4801679191A	4801679191A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	ACENAPHTHYLENE	2/28/2014	-	Yes	N	U		U	170	1.4	ug/kg
4801679191A	4801679191A	BENZO(A)PYRENE	2/28/2014		Yes	N	υ		U	170	4.1	ug/kg
4801679191A	4801679191A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	170	2.9	ug/kg
4801679191A	4801679191A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	ATRAZINE	2/28/2014		Yes	N	U		υ	170	7.5	ug/kg
4801679191A	4801679191A	3-NITROANILINE	2/28/2014		Yes	N	υ		U	330	39	ug/kg
4801679191A	4801679191A	ACETOPHENONE	2/28/2014		Yes	N	U		U	170	8.6	ug/kg
4801679191A	4801679191A	ACENAPHTHENE	2/28/2014		Yes	N	IJ		U	170	2.0	ug/kg
4801679191A	4801679191A	4-NITROPHENOL	2/28/2014		Yes	N	U		υ	330	41	ug/kg
4801679191A	4801679191A	ANTHRACENE	2/28/2014		Yes	N	U		U	170	4.3	ug/kg
4801679251A	4801679251A	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	170	5.0	ug/kg

Analytical Method	SW8270D								•		
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	RL	MDL	Units
4801679251A	4801679251A	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	170	3.6	ug/kg
4801679251A	4801679251A	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	330	9.3	ug/kg
4801679251A	4801679251A	CHRYSENE	3/4/2014		Yes	N	U	U	170	1.7	ug/kg
4801679251A	4801679251A	CARBAZOLE	3/4/2014		Yes	N	U	U	170	1.9	ug/kg
4801679251A	4801679251A	CAPROLACTAM	3/4/2014		Yes	N	U	U	170	72	ug/kg
4801679251A	4801679251A	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	170	54	ug/kg
4801679251A	4801679251A	HEXACHLOROBENZENE	3/4/2014		Yes	N	U	U	170	8.3	ug/kg
4801679251A	4801679251A	DIBENZOFURAN	3/4/2014		Yes	N	U	υ	170	1.7	ug/kg
4801679251A	4801679251A	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	Ν	U	U	170	53	ug/kg
4801679251A	4801679251A	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U	U	170	4.4	ug/kg
4801679251A	4801679251A	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	170	58	ug/kg
4801679251A	4801679251A	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	170	3.9	ug/kg
4801679251A	4801679251A	FLUORANTHENE	3/4/2014		Yes	N	U	U	170	2.4	ug/kg
4801679251A	4801679251A	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	170	11	ug/kg
4801679251A	4801679251A	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U	U	170	2.0	ug/kg
4801679251A	4801679251A	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	U	170	5.1	ug/kg
4801679251A	4801679251A	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U	170	8.8	ug/kg
4801679251A	4801679251A	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	U	170	45	ug/kg
4801679251A	4801679251A	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U	330	58	ug/kg
4801679251A	4801679251A	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	υ	170	26	ug/kg
4801679251A	4801679251A	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	170	41	ug/kg
4801679251A	4801679251A	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	170	11	ug/kg
4801679251A	4801679251A	4-CHLOROANILINE	3/4/2014		Yes	N	U	U	170	49	ug/kg
4801679251A	4801679251A	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	170	2.0	ug/kg
4801679251A	4801679251A	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	170	6.9	ug/kg

Analytical Method	SW8270D										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
4801679251A	4801679251A	2-NITROANILINE	3/4/2014		Yes	N	U	U	330	54	ug/kg
4801679251A	4801679251A	2-NITROPHENOL	3/4/2014		Yes	N	U	U	170	7.6	ug/kg
4801679251A	4801679251A	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U	U	170	150	ug/kg
4801679251A	4801679251A	3-NITROANILINE	3/4/2014		Yes	N	U	U	330	38	ug/kg
4801679251A	4801679251A	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	330	58	ug/kg
4801679251A	4801679251A	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	υ	υ	170	8.5	ug/kg
4801679251A	4801679251A	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U	170	8.5	ug/kg
4801679251A	4801679251A	ATRAZINE	3/4/2014		Yes	N	υ	U	170	7.4	ug/kg
4801679251A	4801679251A	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	υ	U	170	45	ug/kg
4801679251A	4801679251A	FLUORENE	3/4/2014		Yes	N	υ	U	170	3.8	ug/kg
4801679251A	4801679251A	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	υ	U	170	2.0	ug/kg
4801679251A	4801679251A	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	υ	· U	170	3.2	ug/kg
4801679251A	4801679251A	BENZO(A)PYRENE	3/4/2014		Yes	N	U	U	170	4.0	ug/kg
4801679251A	4801679251A	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	170	36	ug/kg
4801679251A	4801679251A	BENZALDEHYDE	3/4/2014		Yes	N	υ	U	170	18	ug/kg
4801679251A	4801679251A	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	υ	U	170	10	ug/kg
4801679251A	4801679251A	ANTHRACENE	3/4/2014		Yes	N	U	U	170	4.3	ug/kg
4801679251A	4801679251A	ACETOPHENONE	3/4/2014		Yes	N	U	U	170	8.6	ug/kg
4801679251A	4801679251A	ACENAPHTHYLENE	3/4/2014		Yes	N	υ	U	170	1.4	ug/kg
4801679251A	4801679251A	ACENAPHTHENE	3/4/2014		Yes	N	U	U	170	2.0	ug/kg
4801679251A	4801679251A	4-NITROPHENOL	3/4/2014		Yes	N	U	U	330	40	ug/kg
4801679251A	4801679251A	4-NITROANILINE	3/4/2014		Yes	N	U	U	330	19	ug/kg
4801679251A	4801679251A	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	υ	U	170	2.9	ug/kg
4801679251A	4801679251A	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	170	13	ug/kg
4801679251A	4801679251A	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U	U	170	51	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	<u>Val Qual</u> F	inal qual	RL	MDL	Units
4801679251A	4801679251A	HEXACHLOROETHANE	3/4/2014		Yes	N	υ		U	170	13	ug/kg
4801679251A	4801679251A	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	170	4.6	ug/kg
4801679251A	4801679251A	ISOPHORONE	3/4/2014		Yes	N	U		U	170	8.3	ug/kg
4801679251A	4801679251A	NAPHTHALENE	3/4/2014		Yes	N	U		U	170	2.8	ug/kg
4801679251A	4801679251A	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	170	1.8	ug/kg
4801679251A	4801679251A	NITROBENZENE	3/4/2014		Yes	N	U		U	170	7.4	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	170	9.1	ug/kg
4801679251A	4801679251A	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	170	9.1	ug/kg
4801679251A	4801679251A	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	330	57	ug/kg
4801679251A	4801679251A	PHENANTHRENE	3/4/2014		Yes	N	U		U	170	3.5	ug/kg
4801679251A	4801679251A	PHENOL	3/4/2014		Yes	N	U		U	170	18	ug/kg
4801679251A	4801679251A	PYRENE	3/4/2014		Yes	N	U		U	170	1.1	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	170	17	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	170	14	ug/kg
DUP029-20140224	480-55212-10	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
DUP029-20140224	480-55212-10	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
DUP029-20140224	480-55212-10	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
DUP029-20140224	480-55212-10	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
DUP029-20140224	480-55212-10	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
DUP029-20140224	480-55212-10	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
OUP029-20140224	480-55212-10	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP029-20140224	480-55212-10	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg

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Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
DUP029-20140224	480-55212-10	PHENANTHRENE	3/4/2014		Yes	N	Ü		U	180	3.8	ug/kg
DUP029-20140224	480-55212-10	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP029-20140224	480-55212-10	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP029-20140224	480-55212-10	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
DUP029-20140224	480-55212-10	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
DUP029-20140224	480-55212-10	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP029-20140224	480-55212-10	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP029-20140224	480-55212-10	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP029-20140224	480-55212-10	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	Ν	U		U	180	10	ug/kg
DUP029-20140224	480-55212-10	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
DUP029-20140224	480-55212-10	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
DUP029-20140224	480-55212-10	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP029-20140224	480-55212-10	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
DUP029-20140224	480-55212-10	NITROBENZENE	3/4/2014		Yes	N	υ		U	180	8.1	ug/kg
DUP029-20140224	480-55212-10	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
DUP029-20140224	480-55212-10	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual F	inal qual	RL	MDL	Units
DUP029-20140224	480-55212-10	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
DUP029-20140224	480-55212-10	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
DUP029-20140224	480-55212-10	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
DUP029-20140224	480-55212-10	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
DUP029-20140224	480-55212-10	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
DUP029-20140224	480-55212-10	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
DUP029-20140224	480-55212-10	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
DUP029-20140224	480-55212-10	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP029-20140224	480-55212-10	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
DUP029-20140224	480-55212-10	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP029-20140224	480-55212-10	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
DUP029-20140224	480-55212-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
DUP029-20140224	480-55212-10	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP029-20140224	480-55212-10	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP029-20140224	480-55212-10	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
DUP029-20140224	480-55212-10	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
DUP029-20140224	480-55212-10	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP029-20140224	480-55212-10	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
DUP029-20140224	480-55212-10	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
DUP029-20140224	480-55212-10	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
DUP029-20140224	480-55212-10	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
DUP029-20140224	480-55212-10	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	4-NITROPHENOL	3/4/2014		Yes	N	υ		U	360	44	ug/kg
DUP029-20140224	480-55212-10	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg

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Analytical Method	SW8270D										
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	360	10	ug/kg
DUP029-20140224	480-55212-10	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	3.9	ug/kg
DUP029-20140224	480-55212-10	4-CHLOROANILINE	3/4/2014		Yes	N	U	U	180	54	ug/kg
DUP029-20140224	480-55212-10	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	180	7.5	ug/kg
DUP029-20140224	480-55212-10	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	58	ug/kg
DUP029-20140224	480-55212-10	ATRAZINE	3/4/2014		Yes	N	U	U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	180	4.3	ug/kg
DUP030-20140224	480-55212-11	CHRYSENE	3/4/2014		Yes	N	U	U	180	1.8	ug/kg
DUP030-20140224	480-55212-11	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	180	63	ug/kg
DUP030-20140224	480-55212-11	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U	U	180	4.8	ug/kg
DUP030-20140224	480-55212-11	DIETHYL PHTHALATE	3/4/2014		Yes	N	U	U	180	5.5	ug/kg
DUP030-20140224	480-55212-11	DIBENZOFURAN	3/4/2014		Yes	, N	U	U	180	1.9	ug/kg
DUP030-20140224	480-55212-11	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	CARBAZOLE	3/4/2014		Yes	N	U	U	180	2.1	ug/kg
DUP030-20140224	480-55212-11	CAPROLACTAM	3/4/2014		Yes	N	U	U	180	79	ug/kg
DUP030-20140224	480-55212-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	180	59	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U	U	180	19	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U	U	180	16	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U	U	180	10	ug/kg
DUP030-20140224	480-55212-11	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	180	49	ug/kg
DUP030-20140224	480-55212-11	PYRENE	3/4/2014		Yes	N	U	U	180	1.2	ug/kg
DUP030-20140224	480-55212-11	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U	U	180	11	ug/kg
DUP030-20140224	480-55212-11	ISOPHORONE	3/4/2014		Yes	N	U	U	180	9.2	ug/kg
DUP030-20140224	480-55212-11	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	360	63	ug/kg

SDG: 480552121

Analytical Method	SW8270D		_									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP030-20140224	480-55212-11	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP030-20140224	480-55212-11	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
DUP030-20140224	480-55212-11	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP030-20140224	480-55212-11	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP030-20140224	480-55212-11	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	15	ug/kg
DUP030-20140224	480-55212-11	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
DUP030-20140224	480-55212-11	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
DUP030-20140224	480-55212-11	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
DUP030-20140224	480-55212-11	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP030-20140224	480-55212-11	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
DUP030-20140224	480-55212-11	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	2,6-DINITROTOLUENE	3/4/2014		Yes	N	IJ		U	180	45	ug/kg
DUP030-20140224	480-55212-11	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
DUP030-20140224	480-55212-11	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
DUP030-20140224	480-55212-11	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
DUP030-20140224	480-55212-11	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
DUP030-20140224	480-55212-11	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		υ	180	2.2	ug/kg
DUP030-20140224	480-55212-11	3-NITROANILINE	3/4/2014		Yes	Ν	U		U	360	42	ug/kg
DUP030-20140224	480-55212-11	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP030-20140224	480-55212-11	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
DUP030-20140224	480-55212-11	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg

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Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP030-20140224	480-55212-11	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
DUP030-20140224	480-55212-11	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP030-20140224	480-55212-11	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
DUP030-20140224	480-55212-11	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP030-20140224	480-55212-11	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
DUP030-20140224	480-55212-11	2-CHLOROPHENOL	3/4/2014		Yes	N	U		υ	180	9.3	ug/kg
DUP030-20140224	480-55212-11	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
DUP030-20140224	480-55212-11	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
DUP030-20140224	480-55212-11	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
DUP030-20140224	480-55212-11	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
DUP030-20140224	480-55212-11	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
DUP030-20140224	480-55212-11	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
DUP030-20140224	480-55212-11	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP030-20140224	480-55212-11	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	ACENAPHTHENE	3/4/2014		Yes	N	U		υ	180	2.2	ug/kg
DUP030-20140224	480-55212-11	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
DUP030-20140224	480-55212-11	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
DUP030-20140224	480-55212-11	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
DUP030-20140224	480-55212-11	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
DUP030-20140224	480-55212-11	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
DUP030-20140224	480-55212-11	ANTHRACENE	3/4/2014		Yes.	N	U		U	180	4.7	ug/kg
FB029-20140224	480-55212-30	CHRYSENE	2/28/2014		Yes	N	U		U	4.9	0.32	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	4.9	0.51	ug/l
FB029-20140224	480-55212-30	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.33	ug/l

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
FB029-20140224	480-55212-30	DI-N-BUTYL PHTHALATE	2/28/2014	0.38	Yes	Υ	J		J	4.9	0.30	ug/l
FB029-20140224	480-55212-30	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.22	ug/l
FB029-20140224	480-55212-30	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	4.9	0.41	ug/l
FB029-20140224	480-55212-30	CARBAZOLE	2/28/2014		Yes	N	U		U	4.9	0.29	ug/l
FB029-20140224	480-55212-30	FLUORENE	2/28/2014		Yes	N	U		υ	4.9	0.35	ug/l
FB029-20140224	480-55212-30	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	4.9	1.8	ug/l
FB029-20140224	480-55212-30	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	υ		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	4.9	0.64	ug/l
FB029-20140224	480-55212-30	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.41	ug/l
FB029-20140224	480-55212-30	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.71	ug/l
FB029-20140224	480-55212-30	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	CAPROLACTAM	2/28/2014		Yes	N	U		U	4.9	2.2	ug/l
FB029-20140224	480-55212-30	NITROBENZENE	2/28/2014		Yes	N	U		U	4.9	0.28	ug/l
FB029-20140224	480-55212-30	DIBENZOFURAN	2/28/2014		Yes	N	U		U	9.8	0.50	ug/l
FB029-20140224	480-55212-30	PYRENE	2/28/2014		Yes	N	U		U	4.9	0.33	ug/l
FB029-20140224	480-55212-30	PHENOL	2/28/2014		Yes	N	U		U	4.9	0.38	ug/l
FB029-20140224	480-55212-30	PHENANTHRENE	2/28/2014		Yes	N	υ		U	4.9	0.43	ug/l
FB029-20140224	480-55212-30	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	9.8	2.2	ug/l
FB029-20140224	480-55212-30	FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	4.9	0.53	ug/l
FB029-20140224	480-55212-30	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.35	ug/l
FB029-20140224	480-55212-30	NAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.74	ug/l

Analytical Method	SW8270D							***	-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	ISOPHORONE	2/28/2014		Yes	N	U		U	4.9	0.42	ug/l
FB029-20140224	480-55212-30	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	4.9	0.46	ug/l
FB029-20140224	480-55212-30	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	4.9	0.67	ug/l
FB029-20140224	480-55212-30	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		υ	4.9	0.39	ug/l
FB029-20140224	480-55212-30	3-NITROANILINE	2/28/2014		Yes	N	U		U	9.8	0.47	ug/l
FB029-20140224	480-55212-30	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		υ	4.9	0.39	ug/l
FB029-20140224	480-55212-30	2-NITROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.47	ug/l
FB029-20140224	480-55212-30	2-NITROANILINE	2/28/2014		Yes	N	U		U	9.8	0.41	ug/l
FB029-20140224	480-55212-30	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.59	ug/l
FB029-20140224	480-55212-30	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	9.8	2.2	ug/l
FB029-20140224	480-55212-30	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.45	ug/l
FB029-20140224	480-55212-30	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	4.9	0.49	ug/l
FB029-20140224	480-55212-30	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	4.9	0.44	ug/l
FB029-20140224	480-55212-30	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		υ	9.8	2.2	ug/l
FB029-20140224	480-55212-30	BENZO(A)PYRENE	2/28/2014		Yes	N	U		υ	4.9	0.46	ug/l
FB029-20140224	480-55212-30	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.46	ug/l
FB029-20140224	480-55212-30	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.47	ug/l
FB029-20140224	480-55212-30	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.52	ug/l
FB029-20140224	480-55212-30	ATRAZINE	2/28/2014		Yes	N	U		U	4.9	0.45	ug/l
FB029-20140224	480-55212-30	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.60	ug/l

Analytical Method S	SW8270D										
Sample ID	Lah Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	<u>Units</u>
FB029-20140224	480-55212-30	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	4.9	0.44	ug/l
FB029-20140224	480-55212-30	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U	U	4.9	0.35	ug/l
FB029-20140224	480-55212-30	BENZALDEHYDE	2/28/2014		Yes	N	U	U	4.9	0.26	ug/l
FB029-20140224	480-55212-30	ANTHRACENE	2/28/2014		Yes	N	U	U	4.9	0.27	ug/l
FB029-20140224	480-55212-30	ACETOPHENONE	2/28/2014		Yes	N	U	U	4.9	0.53	ug/l
FB029-20140224	480-55212-30	ACENAPHTHYLENE	2/28/2014		Yes	N	U	U	4.9	0.37	ug/l
FB029-20140224	480-55212-30	ACENAPHTHENE	2/28/2014		Yes	N	U	υ	4.9	0.40	ug/l
FB029-20140224	480-55212-30	4-NITROANILINE	2/28/2014		Yes	N	U	U	9.8	0.24	ug/l
FB029-20140224	480-55212-30	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U	U	9.8	0.35	ug/l
FB029-20140224	480-55212-30	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	4-CHLOROANILINE	2/28/2014		Yes	N	U	U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	4-NITROPHENOL	2/28/2014		Yes	N	U	U	9.8	1.5	ug/l
FB029-20140224	480-55212-30	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U	U	4.9	0.44	ug/l
LT-C-060-0-2-20140224	480-55212-1	4-NITROPHENOL	3/4/2014		Yes	N	U	U	370	46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	370	66	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	190	7.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLOROANILINE	3/4/2014		Yes	N	U	U	190	56	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ATRAZINE	3/4/2014		Yes	N	U	U	190	8.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	4.1	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACETOPHENONE	3/4/2014		Yes	N	U	U	190	9.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-NITROANILINE	3/4/2014		Yes	N	U	U	370	21	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACENAPHTHENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PYRENE	3/4/2014	9.2	Yes	Υ	J	J	190	1.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	3-NITROANILINE	3/4/2014		Yes	N	U	U	370	44	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Fina	al qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U		190	47	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U		370	11	ug/kg
LT-C-060-0-2-20140224	480-55212-1	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U	U		190	170	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-NITROPHENOL	3/4/2014		Yes	N	U	U		190	8.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-NITROANILINE	3/4/2014		Yes	N	U	U		370	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	U		190	5.9	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U		190	2.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U		190	13	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	U		190	29	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U		370	67	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	υ		190	51	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U		190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U		190	13	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U		190	42	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ANTHRACENE	3/4/2014		Yes	N	U	υ		190	4.9	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZALDEHYDE	3/4/2014		Yes	N	U	U		190	21	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U		190	9.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROBENZENE	3/4/2014		Yes	N	U	υ		190	9.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PHENANTHRENE	3/4/2014		Yes	N	U	U		190	4.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PENTACHLOROPHENOL	3/4/2014		Yes	N	U	U		370	65	ug/kg
LT-C-060-0-2-20140224	480-55212-1	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U	U		190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U		190	15	ug/kg
LT-C-060-0-2-20140224	480-55212-1	NAPHTHALENE	3/4/2014		Yes	N	U	U	1	190	3.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U	U		190	5.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROETHANE	3/4/2014		Yes	N	U	U		190	15	ug/kg

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Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	<u>RL</u>	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.4	ug/kg
LT-C-060-0-2-20140224	480-55212-1	FLUORENE	3/4/2014		Yes	N	U		υ	190	4.4	ug/kg
LT-C-060-0-2-20140224	480-55212-1	FLUORANTHENE	3/4/2014		Yes	N	U		υ	190	2.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	υ		U	190	66	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(A)ANTHRACENE	3/4/2014	11	Yes	Υ	J		J	190	3.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.6	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U	UJ	UJ	190	58	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.6	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ISOPHORONE	3/4/2014		Yes	N	U		υ	190	9.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	51	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		υ	190	20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CAPROLACTAM	3/4/2014		Yes	N	υ		U	190	82	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CHRYSENE	3/4/2014	11	Yes	Υ	J		J	190	1.9	ug/kg

Analytical Method SW	8270D									
Sample ID	Lab Sample D	Chemical Name	Anal Date Res	ult Report	Detect	Lab Qual Va	l Qual Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	BENZO(K)FLUORANTHENE	3/4/2014	Yes	N	U	U	190	2.1	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIBENZ(A,H)ANTHRACENE	3/4/2014	Yes	N	U	U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIBENZOFURAN	3/4/2014	Yes	N	U	U	190	2.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIETHYL PHTHALATE	3/4/2014	Yes	N	U	U	190	5.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-NITROPHENOL	3/4/2014	Yes	N	U	U	180	8.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-CHLORONAPHTHALENE	3/4/2014	Yes	N	U	U	180	12	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PHENOL	3/4/2014	Yes	N	U	U	180	18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-CHLOROPHENOL	3/4/2014	Yes	N	U	U	180	8.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PHENANTHRENE	3/4/2014	Yes	N	U	U	180	3.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-METHYLNAPHTHALENE	3/4/2014	Yes	N	U	U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,6-DINITROTOLUENE	3/4/2014	Yes	N	U	U	180	43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-NITROANILINE	3/4/2014	Yes	N	U	U	340	56	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DICHLOROPHENOL	3/4/2014	Yes	N	U	U	180	9.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	3,3'-DICHLOROBENZIDINE	3/4/2014	Yes	N	U	U	180	150	ug/kg
LT-C-060-4-6-20140224	480-55212-2	3-NITROANILINE	3/4/2014	Yes	N	U	U	340	40	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-METHYLPHENOL (O-CRESOL)	3/4/2014	Yes	N	U	U	180	5.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DINITROTOLUENE	3/4/2014	Yes	N	U	U	180	27	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DIMETHYLPHENOL	3/4/2014	Yes	N	U	U	180	47	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4,6-DINITRO-2-METHYLPHENOL	3/4/2014	Yes	N	U	U	340	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4,6-TRICHLOROPHENOL	3/4/2014	Yes	N	U	U	180	12	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4,5-TRICHLOROPHENOL	3/4/2014	Yes	N	U	U	180	38	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PYRENE	3/4/2014	Yes	N	U	U	180	1.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	NITROBENZENE	3/4/2014	Yes	N	U	U	180	7.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	N-NITROSODIPHENYLAMINE	3/4/2014	Yes	N	U	U	180	9.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PENTACHLOROPHENOL	3/4/2014	Yes	N	U	U	340	60	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	•	U	180	14	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	340	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.5	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	76	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.3	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-C-060-4-6-20140224	480-55212-2	FLUORENE	3/4/2014		Yes	N	U		U	180	4.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	8.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-C-060-4-6-20140224	480-55212-2	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	4.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ISOPHORONE	3/4/2014		Yes	N	U		U	180	8.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZALDEHYDE	3/4/2014		Yes	N	υ		U	180	19	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	52	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	340	9.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-NITROANILINE	3/4/2014		Yes	N	U		U	340	20	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-NITROPHENOL	3/4/2014		Yes	N	υ		U	340	43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	57	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ATRAZINE	3/4/2014		Yes	N	U		υ	180	7.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	56	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	47	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.8	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		υ	190	2.0	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	64	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	60	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		υ	190	5.1	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PHENOL	3/4/2014		Yes	N	υ		U	190	19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	FLUORENE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg

Analytical Method SW8	270D									. "		
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-C-060-8-10-20140224	480-55212-3	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	3-NITROANILINE	3/4/2014		Yes	N	υ		U	360	43	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-NITROANILINE	3/4/2014		Yes	N	Ų		U	360	59	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	Ų		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	65	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		υ	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	40	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-CHLOROPHENOL	3/4/2014		Yes	N	υ		U	190	9.4	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		υ	190	59	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	υ		U	190	3.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	54	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	380	66	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-028-0-2-20140224	480-55212-4	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	380	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-NITROANILINE	3/4/2014		Yes	N	U		U	380	22	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-NITROPHENOL	3/4/2014		Yes	N	U		U	380	47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACETOPHENONE	3/4/2014		Yes	N	U		υ	190	9.9	ug/kg

SDG: 480552121

Analytical Method SW8	3270D									
Sample ID	Lab Sample D	Chemical Name	Anal Date Res	ult Report	Detect	Lab Qual Val Qua	i Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ANTHRACENE	3/4/2014	Yes	N	U	U	190	4.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ATRAZINE	3/4/2014	Yes	N	U	U	190	8.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZALDEHYDE	3/4/2014	Yes	N	U	U	190	21	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(A)ANTHRACENE	3/4/2014	Yes	N	U	U	190	3.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-CHLORO-3-METHYLPHENOL	3/4/2014	Yes	N	U	U	190	7.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(B)FLUORANTHENE	3/4/2014	Yes	N	U	U	190	3.7	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-BROMOPHENYL PHENYL ETHER	3/4/2014	Yes	N	U	U	190	61	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(K)FLUORANTHENE	3/4/2014	Yes	N	U	U	190	2.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZYL BUTYL PHTHALATE	3/4/2014	Yes	N	U	U	190	52	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIPHENYL (DIPHENYL)	3/4/2014	Yes	N	U ,	U	190	12	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROETHOXY) METHANE	3/4/2014	Yes	N	U	U	190	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014	Yes	N	U	U	190	17	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014	Yes	N	U	U	190	20	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	Yes	N	U	U	190	62	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CAPROLACTAM	3/4/2014	Yes	N	U	U	190	84	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CARBAZOLE	3/4/2014	Yes	N	U	U	190	2.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CHRYSENE	3/4/2014	Yes	N	U	U	190	1.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIBENZ(A,H)ANTHRACENE	3/4/2014	Yes	N	U	U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIBENZOFURAN	3/4/2014	Yes	N	U	υ	190	2.0	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIETHYL PHTHALATE	3/4/2014	Yes	N	U	U	190	5.8	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(A)PYRENE	3/4/2014	Yes	N	U	U	190	4.7	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4-DICHLOROPHENOL	3/4/2014	Yes	N	U	U	190	10	ug/kg
LT-G-028-0-2-20140224	480-55212-4	N-NITROSODI-N-PROPYLAMINE	3/4/2014	Yes	N	υ	U	190	15	ug/kg
LT-G-028-0-2-20140224	480-55212-4	NITROBENZENE	3/4/2014	Yes	N	U	U	190	8.6	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.0	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		υ	190	58	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		υ	190	9.9	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	FLUORENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.8	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	67	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	57	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	380	67	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	3-NITROANILINE	3/4/2014		Yes	N	U		U	380	44	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	170	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.8	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	42	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	11	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	47	ug/kg
LT-G-028-0-2-20140224	4 480-55212-4	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	30	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	380	68	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	52	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-NITROANILINE	3/4/2014		Yes	N	U		U	380	62	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		υ	180	3.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		υ	180	5.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIBENZOFURAN	3/4/2014		Yes	N	U		υ	180	1.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CARBAZOLE	3/4/2014		Yes	N	υ		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	FLUORANTHENE	3/4/2014		Yes	N	υ		U	180	2.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	92	Yes	Υ	J		J	180	59	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	υ		U	180	9.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		υ	360	62	ug/kg
LT-G-028-4-6-20140224	480-55212-5	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	· N	U		υ	180	10	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-028-4-6-20140224	480-55212-5	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		υ	180	9.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U .	180	45	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		υ	180	2.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		υ	180	12	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		υ	180	49	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-028-4-6-20140224	480-55212 - 5	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-NITROANILINE	3/4/2014		Yes	N	υ		U	360	20	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	41	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	u g/k g
LT-G-028-8-10-20140224	480-55212-6	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg

Analytical Method SW	3270D										
Sample IB	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	i RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	CARBAZOLE	3/4/2014		Yes	N	U	U	190	2.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	FLUORANTHENE	3/4/2014		Yes	N	U	U	190	2.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	190	60	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	υ	U	190	19	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U	U	190	16	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U	U	190	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	190	50	ug/kg
LT-G-028-8-10-20140224	480-55212-6	CHRYSENE	3/4/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ISOPHORONE	3/4/2014		Yes	N	U	U	190	9.3	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PHENOL	3/4/2014		Yes	N	U	U	190	20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PHENANTHRENE	3/4/2014		Yes	N	U	U	190	3.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PENTACHLOROPHENOL	3/4/2014		Yes	N	U	U	360	64	ug/kg
LT-G-028-8-10-20140224	480-55212-6	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U	U	190	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	190	15	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	190	64	ug/kg
LT-G-028-8-10-20140224	480-55212-6	NAPHTHALENE	3/4/2014		Yes	N	U	U	190	3.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U	U	190	3.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U	U	190	5.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROETHANE	3/4/2014		Yes	N	U	U	190	14	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U	U	190	56	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROBENZENE	3/4/2014		Yes	N	U	U	190	9.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	FLUORENE	3/4/2014		Yes	N	U	U	190	4.3	ug/kg

Analytical Method SW	3270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	l RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	NITROBENZENE	3/4/2014		Yes	N	U	U	190	8.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	3-NITROANILINE	3/4/2014		Yes	N	U	U	360	43	ug/kg
LT-G-028-8-10-20140224	480-55212-6	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U	U	190	160	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-NITROPHENOL	3/4/2014		Yes	N	U	U	190	8.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-NITROANILINE	3/4/2014		Yes	N	U	U	360	60	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	U	190	5.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U	U	190	2.0	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	190	7.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	190	45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	U	190	29	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U	360	65	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	U	190	50	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PYRENE	3/4/2014		Yes	N	U	U	190	1.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ACENAPHTHENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(A)PYRENE	3/4/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U	υ	190	3.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZALDEHYDE	3/4/2014		Yes	N	U	U	190	20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ATRAZINE	3/4/2014		Yes	N	U	U	190	8.3	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ANTHRACENE	3/4/2014		Yes	N	U	U	190	4.8	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	360	64	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	<u>Report</u>	<u>Detect</u>	<u>Lab Qual</u>	Val Qual	Final qual	RL_	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	υ		U	190	4.0	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	55	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PHENOL	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-G-029-0-2-20140224	480 - 55212-7	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	FLUORENE	3/4/2014		Yes	N	U		U	190	4.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	11	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	49	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.0	ug/kg

Analytical Method SW8	270D								-			
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	υ		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROETHANE	3/4/2014		Yes	N	U		υ	190	14	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.8	ug/kg
LT-G-029-0-2-20140224	480-55212 - 7	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	64	ug/kg
LT-G-029-0-2-20140224	480-55212 - 7	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-029-0-2-20140224	480-55212 - 7	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-029-0-2-20140224	480-55212-7	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-029-0-2-20140224	480-55212-7	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	360	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	3.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLOROANILINE	3/4/2014		Yes	N	U	U	190	54	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	υ	190	7.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-NITROPHENOL	3/4/2014		Yes	N	U	U	360	45	ug/kg
LT-G-029-0-2-20140224	480-55212-7	3-NITROANILINE	3/4/2014		Yes	N	U	U	360	42	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	U	190	5.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	190	45	ug/kg
LT-G-029-0-2-20140224	480-55212-7	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U	U	190	160	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U	360	64	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	360	64	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACENAPHTHENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACENAPHTHYLENE	3/4/2014		Yes	N	U	U	190	1.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACETOPHENONE	3/4/2014		Yes	N	U	U	190	9.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ANTHRACENE	3/4/2014		Yes	N	U	U	190	4.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ATRAZINE	3/4/2014		Yes	N	U	U	190	8.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZALDEHYDE	3/4/2014		Yes	N	U	U	190	20	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	U	190	50	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	40	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.7	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qu	al RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	DIBENZOFURAN	3/4/2014		Yes	N	U	U	190	2.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIETHYL PHTHALATE	3/4/2014		Yes	N	U	U	190	5.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U	U	190	5.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CAPROLACTAM	3/4/2014		Yes	N	U	U	190	83	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	190	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U	U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	FLUORANTHENE	3/4/2014		Yes	N	U	U	190	2.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CARBAZOLE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	190	62	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U	U	190	20	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U	U	190	17	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U	U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U	U	190	12	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CHRYSENE	3/4/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PYRENE	3/4/2014		Yes	N	U	U	190	1.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	NITROBENZENE	3/4/2014		Yes	N	U	U	190	8.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	190	15	ug/kg
LT-G-029-2-4-20140224	480-55212-8	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U	U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PENTACHLOROPHENOL	3/4/2014		Yes	N	U	U	370	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PHENANTHRENE	3/4/2014		Yes	N	U	U	190	4.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACENAPHTHYLENE	3/4/2014		Yes	N	U	U	190	1.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U	U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	190	52	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	FLUORENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	58	ug/kg
LT-G-029-2-4-20140224	480-55212-8	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,6-DINITROTOLUENE	3/4/2014		Yes	Ν	U		U	190	47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	170	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-NITROPHENOL	3/4/2014		Yes	N	U		Ų	190	8.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-NITROANILINE	3/4/2014		Yes	N	U		U	370	62	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	3-NITROANILINE	3/4/2014		Yes	N	U		U	370	44	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	30	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	370	67	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	52	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	42	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg

SDG: 480552121

Analytical Method SW8	3270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Q	ual Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U	U	190	3.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U	U	190	2.3	ug/kg
LT-G-029 -2 -4-20140224	480-55212-8	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(A)PYRENE	3/4/2014		Yes	N	U	U	190	4.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	370	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZALDEHYDE	3/4/2014		Yes	N	U	U	190	21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACETOPHENONE	3/4/2014		Yes	N	U	U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACENAPHTHENE	3/4/2014		Yes	N	U	U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-NITROANILINE	3/4/2014		Yes	N	U	U	370	21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	370	11	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	4.1	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLOROANILINE	3/4/2014		Yes	N	U	U	190	56	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	190	7.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	61	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-NITROPHENOL	3/4/2014		Yes	N	U	U	370	46	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U	U	190	3.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	180	39	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	U	180	5.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-CHLOROPHENOL	3/4/2014		Yes	N	υ	U	180	9.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	180	12	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	180	44	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	U	180	28	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U	350	63	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	U	180	48	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	<u>Lab Qual</u>	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-NITROANILINE	3/4/2014		Yes	N	U		υ	350	57	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	130	Yes	Υ	J		J	180	58	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIMETHYL PHTHALATE	3/4/2014	-	Yes	N	U		U	180	4.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	62	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-029-8-10-20140224	480-55212-9	FLUORENE	3/4/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CAPROLACTAM	3/4/2014		Yes	N	υ		U	180	77	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-029-8-10-20140224	480-55212-9	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	4.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ISOPHORONE	3/4/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	NITROBENZENE	3/4/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg

Analytical Method SW8	270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	υ		U	180	9.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	350	61	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
L.T-G-029-8-10-20140224	480-55212-9	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		υ	180	160	ug/kg
LT-G-029-8-10-20140224	480-55212-9	3-NITROANILINE	3/4/2014		Yes	N	U		U	350	41	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		υ	350	62	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	57	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLOROANILINE	3/4/2014		Yes	N	U		υ	180	52	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	350	10	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-NITROANILINE	3/4/2014		Yes	N	U		U	350	20	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-NITROPHENOL	3/4/2014		Yes	N	U		υ	350	43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		υ	180	3.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(A)PYRENE	3/4/2014		Yes	N	U		υ	180	4.3	ug/kg

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		υ	180	3.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		υ	180	2.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	48	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	Ü		U	180	7.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	υ		, U	180	3.9	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	υ		U	360	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ATRAZINE	3/4/2014		Yes	N	U		υ	180	8.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample I D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	50	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	Ν	U		U	180	58	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-030-0-2-20140224	480-55212-12	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(A)PYRENE	3/4/2014		Yes	N	U		υ	180	4.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
LT-G-030-0-2-20140224	480-55212-12	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROETHANE	3/4/2014		Yes	Ν	U		U	180	14	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	<u>Chemical Name</u>	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	230	Yes	Υ				180	59	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		υ	180	19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg

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Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL_	Units
LT-G-030-4-6-20140224	480-55212-13	4-NITROANILINE	3/4/2014		Yes	N	U		U	350	20	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	78	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-NITROPHENOL	3/4/2014		Yes	N	U		U	350	44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		υ	180	9.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	u g /kg
LT-G-030-4-6-20140224	480-55212-13	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg

SDG: 480552121

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final q	ual RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	PHENANTHRENE	3/4/2014		Yes	N	U	U	180	3.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PENTACHLOROPHENOL	3/4/2014		Yes	N	U	U	350	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U	U	180	9.9	ug/kg
LT-G-030-4-6-20140224	480-55212-13	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	180	14	ug/kg
LT-G-030-4-6-20140224	480-55212-13	NITROBENZENE	3/4/2014		Yes	N	U	U	180	8.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIBENZOFURAN	3/4/2014		Yes	N	U	U	180	1.9	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ISOPHORONE	3/4/2014		Yes	N	υ	U	180	9.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROETHANE	3/4/2014		Yes	N	U	U	180	14	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	υ	U	180	55	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROBENZENE	3/4/2014		Yes	N	U	υ	180	9.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	FLUORENE	3/4/2014		Yes	N	U	U .	180	4.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	FLUORANTHENE	3/4/2014		Yes	N	U	U	180	2.6	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	180	4.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	180	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	NAPHTHALENE	3/4/2014		Yes	N	υ	U	180	3.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U	180	9.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	υ	180	48	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	350	10	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	180	12	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	Ü	180	49	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DINITROPHENOL	3/4/2014		Yes	N	U	U	350	63	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	U	180	28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	180	44	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qua	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	180	12	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-CHLOROPHENOL	3/4/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	180	7.4	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	3.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-NITROANILINE	3/4/2014		Yes	N	U	U	350	58	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-NITROPHENOL	3/4/2014		Yes	N	U	U	180	8.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U	U	180	160	ug/kg
LT-G-030-4-6-20140224	480-55212-13	3-NITROANILINE	3/4/2014		Yes	N	U	U	350	41	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U	U	350	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	57	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U	U	180	39	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLOROANILINE	3/4/2014		Yes	N	U	υ	180	53	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	Ν	U	U	180	5.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIETHYL PHTHALATE	3/4/2014		Yes	N	U	U	190	5.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U	U	190	2.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-CHLOROPHENOL	3/4/2014		Yes	N	υ	U	190	9.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U	U	190	13	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U	U	190	46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DINITROPHENOL	3/4/2014		Yes	Ν	υ	U	370	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	190	59	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U	U	190	51	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U	U	190	9.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U	U	190	29	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-NITROANILINE	3/4/2014		Yes	N	U	U	370	60	ug/kg

Analytical Method SW8	3270D		-									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	370	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	υ		U	190	7.7	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	55	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-030-6-8-20140224	480-55212-14	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-NITROANILINE	3/4/2014		Yes	N	U		U	370	21	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	370	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	3-NITROANILINE	3/4/2014		Yes	N	U		U	370	43	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-NITROPHENOL	3/4/2014		Yes	N	U		υ	190	8.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-NITROPHENOL	3/4/2014		Yes	N	U		U	370	45	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-030-6-8-20140224	480 - 55212-14	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	370	64	ug/kg
LT-G-030-6-8-20140224	480-55212-14	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	41	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	57	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg

SDG: 480552121

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL_	Units
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROBENZENE	3/4/2014		Yes	N	U	U	190	9.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	FLUORENE	3/4/2014		Yes	N	U	U	190	4.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	FLUORANTHENE	3/4/2014		Yes	N	U	U	190	2.7	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	190	4.4	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	190	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U	U	190	4.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	190	15	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZALDEHYDE	3/4/2014		Yes	N	υ	U	190	21	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CHRYSENE	3/4/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U	υ	190	5.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACENAPHTHENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACENAPHTHYLENE	3/4/2014		Yes	N	U	U	190	1.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACETOPHENONE	3/4/2014		Yes	N	U	U	190	9.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ATRAZINE	3/4/2014		Yes	N	U	U	190	8.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	υ	U	190	3.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(A)PYRENE	3/4/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U	U	190	3.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CAPROLACTAM	3/4/2014		Yes	N	U	υ	190	81	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ANTHRACENE	3/4/2014		Yes	N	U	U	190	4.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CARBAZOLE	3/4/2014		Yes	N	U .	U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U	υ	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	190	60	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U	U	190	20	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL_	Units
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-031-0-2-20140224	480-55212-15	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-0-2-20140224	480-55212-15	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	NITROBENZENE	3/4/2014		Yes	N	U		υ	180	8.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-0-2-20140224	480-55212-15	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PENTACHLOROPHENOL	3/4/2014		Yes	N	U-		U	360	62	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Quai	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-0-2-20140224	480-5521 2-1 5	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		υ	360	63	ug/kg
LT-G-031-0-2-20140224	480-55212-15	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-0-2-20140224	480-55212-15	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DINITROTOLUENE	3/4/2014		Yes	N	υ		U	180	28	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CAPROLACTAM	3/4/2014		Yes	N	U		υ	180	79	ug/kg

Analytical Method SW	8270D						-				
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	180	59	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U	U	180	19	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U	U	180	16	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	Ų	U	180	9.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U	U	180	11	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	180	49	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U	U	180	2.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	3.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U	U	180	3.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U	U	360	10	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U	U	180	3.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZALDEHYDE	3/4/2014		Yes	N	U	U	180	20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ATRAZINE	3/4/2014		Yes	N	U	U	180	8.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ANTHRACENE	3/4/2014		Yes	N	υ	U	180	4.7	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACETOPHENONE	3/4/2014		Yes	N	U	U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACENAPHTHYLENE	3/4/2014		Yes	N	U	U	180	1.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACENAPHTHENE	3/4/2014		Yes	N	U	U	180	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-NITROPHENOL	3/4/2014		Yes	N	U	U	360	44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIBENZOFURAN	3/4/2014		Yes	N	U	U	180	1.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CHRYSENE	3/4/2014		Yes	Ν	U	U	180	1.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U	U	180	7.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ACETOPHENONE	3/4/2014		Yes	N	U	U	180	9.4	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ACENAPHTHYLENE	3/4/2014		Yes	N	U	U	180	1.5	ug/kg

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Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-4-6-20140224	480-55212-16	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-4-6-20140224	480-55212-16	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	Ù		U	180	3.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	υ		U	180	59	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-031-4-6-20140224	480-55212-16	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROBENZENE	3/4/2014		Yes	N	υ		U	180	9.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-4-6-20140224	480-55212-16	FLUORANTHENE	3/4/2014		Yes	N	υ		U	180	2.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ISOPHORONE	3/4/2014		Yes	N	U		υ	180	9.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-4-6-20140224	480-55212-16	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg

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Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units_
LT-G-031-4-6-20140224	480-55212-16	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DICHLOROPHENOL	3/4/2014		Yes	Ν	U		U	180	9.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-4-6-20140224	480-55212 - 16	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIETHYL PHTHALATE	3/4/2014		Yes	Ν	U		U	180	5.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIMETHYL PHTHALATE	3/4/2014		Yes	N	υ		υ	180	4.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		Ü	180	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-NITROANILINE	3/4/2014		Yes	Ν	U		U	360	20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	υ		U	360	10	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-6-8-20140224	480-55212-17	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg

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Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CAPROLACTAM	3/4/2014		Yes	N	υ		U	180	79	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		υ	180	19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	υ		U	180	9.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	υ		U	180	3.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ANTHRACENE	3/4/2014		Yes	N	U		υ	180	4.7	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-031-6-8-20140224	480-55212-17	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROBENZENE	3/4/2014		Yes	N	υ		U .	180	9.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg

SDG: 480552121

Analytical Method SW8	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		υ	180	55	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-6-8-20140224	480-55212-17	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	υ		U	180	5.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	FLUORANTHENE	3/4/2014		Yes	N	υ		U	180	2.6	ug/kg
LT-G-031-6-8-20140224	480-55212-17	NAPHTHALENE	3/4/2014		Yes	N	υ		U	180	3.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-6-8-20140224	480-55212-17	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PENTACHLOROPHENOL	3/4/2014		Yes	N	υ		U	360	62	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PYRENE	3/4/2014		Yes	N	U		υ	180	1.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		υ	180	28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-6-8-20140224	480-55212-17	FLUORENE	3/4/2014		Yes	N	U		υ	180	4.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		υ	180	2.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CHRYSENE	3/4/2014		Yes	N	U		υ	180	1.8	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg

Analytical Method SW8	8270D			·								
Sample ID	Lab Sample D	Chemical Name	Anal Date Re	esult	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIBENZOFURAN	3/4/2014		Yes	N	U		υ	180	1.9	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	Ν	U		U	180	12	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg

SDG: 480552121

Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PHENANTHRENE	3/4/2014		Yes	N	U		υ	180	3.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-032-0-2-20140224	480-55212-18	NAPHTHALENE	3/4/2014		Yes	N	U		υ	180	3.0	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-032-0-2-20140224	480-55212-18	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-NITROPHENOL	3/4/2014		Yes	N	U		υ	180	8.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-NITROANILINE	3/4/2014		Yes	N	U		υ	360	59	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL.	Units
LT-G-032-0-2-20140224	480-55212-18	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-032-0-2-20140224	480-55212-18	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		υ	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZALDEHYDE	3/4/2014		Yes	N	U		υ	180	20	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACENAPHTHENE	3/4/2014		Yes	N	υ		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLOROANILINE	3/4/2014		Yes	N	U		υ	180	54	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		υ	180	5.5	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CHRYSENE	3/4/2014		Yes	N	U	U	180	1.8	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CARBAZOLE	3/4/2014		Yes	N	U	U	180	2.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CAPROLACTAM	3/4/2014		Yes	N	υ	U	180	79	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U	U	180	59	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/4/2014		Yes	N	U	U	180	16	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U	U	180	11	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U	U	180	4.3	ug/kg
LT-G-032-4-6-20140224	480-55212-19	NAPHTHALENE	3/4/2014		Yes	N	U	U	180	3.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U	U	180	49	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U	U	180	19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ISOPHORONE	3/4/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U	U	180	58	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PHENOL	3/4/2014		Yes	N	U	U	180	19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PHENANTHRENE	3/4/2014		Yes	N	U	U	180	3.9	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PENTACHLOROPHENOL	3/4/2014		Yes	N	U	U	360	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U	υ	180	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U	U	180	15	ug/kg
LT-G-032-4-6-20140224	480-55212-19	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U	U	180	5.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U	υ	180	2.0	ug/kg
LT-G-032-4-6-20140224	480-55212-19	FLUORANTHENE	3/4/2014		Yes	N	U	U	180	2.7	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PYRENE	3/4/2014		Yes	N	U	U	180	1.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROETHANE	3/4/2014		Yes	N	U	υ	180	14	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U	U	180	56	ug/kg

Analytical Mothed	8270D				_						u	£p•1
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual F	inal qual	RL	MDL_	Units
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-032-4-6-20140224	480-55212-19	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-032-4-6-20140224	480-55212-19	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	50	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	υ		U	180	9.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZALDEHYDE	3/4/2014		Yes	N	U		υ	180	20	ug/kg

Analytical Method SW	8270D											
Sample ID	Lah Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		υ	180	3.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	3/6/2014		Yes	N	U		U	180	16	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DI-N-BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	180	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIMETHYL PHTHALATE	3/6/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIETHYL PHTHALATE	3/6/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIBENZOFURAN	3/6/2014		Yes	N	U		υ	180	1.9	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIBENZ(A,H)ANTHRACENE	3/6/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CHRYSENE	3/6/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZYL BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	180	48	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CARBAZOLE	3/6/2014		Yes	N	U		υ	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CAPROLACTAM	3/6/2014		Yes	N	U		U	180	78	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROETHOXY) METHANE	3/6/2014	*	Yes	N	U		U	180	9.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DI-N-OCTYLPHTHALATE	3/6/2014		Yes	N	U		U	180	4.2	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	NAPHTHALENE	3/6/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIPHENYL (DIPHENYL)	3/6/2014		Yes	N	U		U	180	11	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014		Yes	N	U		U	180	58	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ISOPHORONE	3/6/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4,6-DINITRO-2-METHYLPHENOL	3/6/2014		Yes	N	U		U	350	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(K)FLUORANTHENE	3/6/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PHENOL	3/6/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PHENANTHRENE	3/6/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PENTACHLOROPHENOL	3/6/2014		Yes	N	U		U	350	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	N-NITROSODIPHENYLAMINE	3/6/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-032-6-8-20140224	480-55212-20	INDENO(1,2,3-C,D)PYRENE	3/6/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	NITROBENZENE	3/6/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	FLUORANTHENE	3/6/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PYRENE	3/6/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROETHANE	3/6/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROCYCLOPENTADIENE	3/6/2014		Yes	N	U		U	180	54	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROBUTADIENE	3/6/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROBENZENE	3/6/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	FLUORENE	3/6/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	N-NITROSODI-N-PROPYLAMINE	3/6/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-CHLORONAPHTHALENE	3/6/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-CHLORO-3-METHYLPHENOL	3/6/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	3-NITROANILINE	3/6/2014		Yes	N	U		U	350	41	ug/kg
LT-G-032-6-8-20140224	480-55212-20	3,3'-DICHLOROBENZIDINE	3/6/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-NITROPHENOL	3/6/2014		Yes	N	U		U	180	8.2	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	2-NITROANILINE	3/6/2014		Yes	N	U	U	350	58	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-BROMOPHENYL PHENYL ETHER	3/6/2014		Yes	N	U	U	180	57	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-METHYLNAPHTHALENE	3/6/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-METHYLPHENOL (O-CRESOL)	3/6/2014		Yes	N	U	υ	180	5.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,6-DINITROTOLUENE	3/6/2014		Yes	N	U	U	180	44	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DINITROTOLUENE	3/6/2014		Yes	N	U	U	180	28	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DINITROPHENOL	3/6/2014		Yes	N	U	U	350	63	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DIMETHYLPHENOL	3/6/2014		Yes	N	U	υ	180	49	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DICHLOROPHENOL	3/6/2014		Yes	N	U	U	180	9.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(G,H,I)PERYLENE	3/6/2014		Yes	N	U	U	180	2.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4,6-TRICHLOROPHENOL	3/6/2014		Yes	N	U	U	180	12	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ANTHRACENE	3/6/2014		Yes	N	υ	U	180	4.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(B)FLUORANTHENE	3/6/2014		Yes	N	U	U	180	3.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-CHLOROPHENOL	3/6/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4,5-TRICHLOROPHENOL	3/6/2014		Yes	N	U	U	180	39	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(A)ANTHRACENE	3/6/2014		Yes	N	U	U	180	3.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ATRAZINE	3/6/2014		Yes	N	U	U	180	8.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(A)PYRENE	3/6/2014		Yes	N	U	U	180	4.3	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACETOPHENONE	3/6/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACENAPHTHYLENE	3/6/2014		Yes	N	U	U	180	1.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACENAPHTHENE	3/6/2014		Yes	N	U	U	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-NITROPHENOL	3/6/2014		Yes	N	U	U	350	44	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-NITROANILINE	3/6/2014		Yes	N	U	U	350	20	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-METHYLPHENOL (P-CRESOL)	3/6/2014		Yes	N	U	U	350	10	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-CHLOROPHENYL PHENYL ETHER	3/6/2014		Yes	N	U	U	180	3.8	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	4-CHLOROANILINE	3/6/2014		Yes	N	U	U	180	53	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZALDEHYDE	3/6/2014		Yes	N	U	U	180	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U	U	190	65	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CARBAZOLE	2/28/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U	U	190	4.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIETHYL PHTHALATE	2/28/2014		Yes	N	U	U	190	5.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIBENZOFURAN	2/28/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CHRYSENE	2/28/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CAPROLACTAM	2/28/2014		Yes	N	U	U	190	81	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U	U	190	60	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U	U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U	U	190	16	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U	U	190	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U	U	190	50	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U	U	190	4.4	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U	U	190	12	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ISOPHORONE	2/28/2014		Yes	Ν	U	U	190	9.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PYRENE	2/28/2014		Yes	N	U	υ	190	1.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	υ	U	190	3.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PHENOL	2/28/2014		Yes	N	U	U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PENTACHLOROPHENOL	2/28/2014		Yes	N	U	U	360	64	ug/kg
LT-G-033-0-2-20140224	480-55212-21	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U	U	190	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U	U	190	15	ug/kg

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Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-033-0-2-20140224	480-55212-21	FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	14	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	56	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg
LT-G-033-0-2-20140224	480-55212-21	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	160	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-NITROANILINE	2/28/2014		Yes	N	U		U	360	60	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	3-NITROANILINE	2/28/2014		Yes	N	U		U	360	43	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	360	65	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	50	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.1	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	υ		U	190	41	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	υ		U	190	3.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	360	64	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZALDEHYDE	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ATRAZINE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ANTHRACENE	2/28/2014		Yes	N	U		υ	190	4.8	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-NITROPHENOL	2/28/2014		Yes	N	U		U	360	45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-NITROANILINE	2/28/2014		Yes	N	U		U	360	21	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	360	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	υ		U	190	4.0	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	55	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		υ	190	59	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U ,		υ	180	2.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PYRENE	2/28/2014		Yes	N	υ		U	180	1.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	CAPROLACTAM	2/28/2014		Yes	N	U	U	180	78	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U	U	180	58	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U	U	180	19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U	U	180	2.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U	U	180	9.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U	U	180	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U	U	180	49	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U	U	180	16	ug/kg
LT-G-033-2-4-20140224	480-55212-22	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U	U	180	5.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	CHRYSENE	2/28/2014		Yes	N	U	U	180	1.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PHENANTHRENE	2/28/2014		Yes	N	U	υ	180	3.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PENTACHLOROPHENOL	2/28/2014		Yes	N	U	U	350	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U	U	180	9.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U	U	180	14	ug/kg
LT-G-033-2-4-20140224	480-55212-22	NITROBENZENE	2/28/2014		Yes	N	U	U	180	8.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PHENOL	2/28/2014		Yes	N	U	U	180	19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ISOPHORONE	2/28/2014		Yes	N	U	U	180	9.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U	U	180	4.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROETHANE	2/28/2014		Yes	N	U	U	180	14	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U	U	180	55	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROBENZENE	2/28/2014		Yes	N	U	U	180	9.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	FLUORENE	2/28/2014		Yes	N	U	U	180	4.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	FLUORANTHENE	2/28/2014		Yes	N	U	U	180	2.6	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	42	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	49	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ATRAZINE	2/28/2014		Yes	N	U _.		U	180	8.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg

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Analytical Method SW	3270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-033-6-8-20140224	480-55212-23	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-033-6-8-20140224	480-55212-23	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg

SDG: 480552121

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-033-6-8-20140224	480-55212-23	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	υ		U	350	62	ug/kg

Analytical Method SW8	3270D		-	2								
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units_
LT-G-033-6-8-20140224	480-55212-23	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	υ		U	180	12	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		υ	180	28	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DINITROPHENOL	2/28/2014		Yes	N	υ		U	350	63	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
L.T-G-033-6-8-20140224	480-55212-23	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	υ		U	180	39	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACETOPHENONE	2/28/2014		Yes	N	U		υ	180	9.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg

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Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	<u>Result</u>	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CAPROLACTAM	2/28/2014		Yes	N	U		υ	180	78	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		υ	180	19	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-0-2-20140224	480-55212-24	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	NITROBENZENE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-0-2-20140224	480-55212-24	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PHENOL	2/28/2014		Yes	N	υ		U	180	19	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-034-0-2-20140224	480-55212-24	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-NITROANILINE	2/28/2014		Yes	N	U		υ	350	57	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-0-2-20140224	480-55212-24	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg

Analytical Method SW82	270D	•										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		υ	350	62	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	Ü		U	180	7.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-034-0-2-20140224	480-55212 - 24	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-034-0-2-20140224	480-55212 - 24	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-NITROANILINE	2/28/2014		Yes	N	U		υ	350	20	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		υ	180	2.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIETHYL PHTHALATE	2/28/2014		Yes	N	υ		U	180	5.4	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	77	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	υ		U	180	57	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-034-2-4-20140224	480-55212-25	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	4.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	NITROBENZENE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PYRENE	2/28/2014		Yes	N	U		U	180	1.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ISOPHORONE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-034-2-4-20140224	480-55212-25	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DINITROPHENOL	2/28/2014		Yes	N	υ		U	350	62	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	<u>Units</u>
LT-G-034-2-4-20140224	480-55212-25	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-NITROANILINE	2/28/2014		Yes	N	υ		U	350	57	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	υ		U	180	5.5	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	27	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		υ	180	12	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-034-2-4-20140224	480-55212-25	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		υ	180	9.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	υ		U	180	3.4	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		υ	180	3.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ATRAZINE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	43	ug/kg

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Analytical Method SW	8270D		•									
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	9.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLOROANILINE	2/28/2014		Yes	N	υ		U	180	52	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	υ		U	180	7.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	56	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	82	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIBENZOFURAN	2/28/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CHRYSENE	2/28/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	190	61	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	16	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	51	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PYRENE	2/28/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.7	ug/kg

Analytical Method SW	8270D					-						
Sample ID	Lab Sample 1 0	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual \	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		υ	190	2.1	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	370	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		υ	190	57	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	FLUORANTHENE	2/28/2014		Yes	N	υ		U	190	2.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	NITROBENZENE	2/28/2014		Yes	N	υ		U	190	8.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-034-6-8-20140224	480-55212-26	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	170	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	60	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	3-NITROANILINE	2/28/2014		Yes	N	U		U	370	43	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-CHLORONAPHTHALENE	2/28/2014		Yes	Ν	U		U	190	13	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date Re	esult	Report	Detect	Lab Qual V	al Qual Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U	υ	190	2.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DINITROPHENOL	2/28/2014		Yes	N	U	U	370	66	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ATRAZINE	2/28/2014		Yes	N	U	U	190	8.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U	U	190	9.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U	U	190	12	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U	U	190	41	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-CHLOROPHENOL	2/28/2014		Yes	N	U	U	190	9.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U	U	190	3.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U	U	190	51	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U	U	370	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(A)PYRENE	2/28/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZALDEHYDE	2/28/2014		Yes	N	U	U	190	21	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ANTHRACENE	2/28/2014		Yes	N	υ	U	190	4.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACENAPHTHYLENE	2/28/2014		Yes	N	U	U	190	1.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACENAPHTHENE	2/28/2014		Yes	Ν	U	U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U	U	190	7.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-NITROANILINE	2/28/2014		Yes	N	U	U	370	21	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	υ	U	370	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	190	4.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLOROANILINE	2/28/2014		Yes	N	U	U	190	55 .	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-NITROPHENOL	2/28/2014		Yes	N	U	U	370	46	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U	U	190	3.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	190	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-NITROPHENOL	2/28/2014		Yes	N	U	U	190	8.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U	U	190	160	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	3-NITROANILINE	2/28/2014		Yes	N	U		U	370	43	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	370	65	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		υ	190	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	55	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	41	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	370	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	51	ug/kg
LT-G-035-0-2-20140224	480-55212 - 27	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	16	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PYRENE	2/28/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual V	al Qual F	inal qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	370	64	ug/kg
LT-G-035-0-2-20140224	480-55212-27	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-035-0-2-20140224	480-55212-27	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	50	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-NITROANILINE	2/28/2014		Yes	N	U		U	370	21	ug/kg
LT-G-035-0-2-20140224	480-55212-27	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	57	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	FLUORANTHENE	2/28/2014		Yes	N	υ		U	190	2.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	65	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	190	61	ug/kg
LT-G-035-0-2-20140224	480-55212-27	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	υ		U	190	5.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIBENZOFURAN	2/28/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	81	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg

Analytical Method SW	8270D				-						
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U	U	190	12	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CHRYSENE	2/28/2014		Yes	N	U	U	190	1.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-NITROPHENOL	2/28/2014		Yes	N	U	U	370	46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACENAPHTHENE	2/28/2014		Yes	N	U	U	190	2.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(A)PYRENE	2/28/2014		Yes	N	U	U	190	4.5	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACENAPHTHYLENE	2/28/2014		Yes	N	U	υ	190	1.5	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U	U	190	3.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U	U	190	3.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZALDEHYDE	2/28/2014		Yes	N	U	U	190	21	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ATRAZINE	2/28/2014		Yes	N	U	U	190	8.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ANTHRACENE	2/28/2014		Yes	N	U	U	190	4.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACETOPHENONE	2/28/2014		Yes	N	U	U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U	U	190	2.3	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLOROANILINE	2/28/2014		Yes	N	U	U	180	53	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U	· U	180	7.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DINITROPHENOL	2/28/2014		Yes	N	U	U	350	63	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U	U	180	5.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U	U	180	57	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	Ų	υ	350	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	3-NITROANILINE	2/28/2014		Yes	N	U	U	350	41	ug/kg
LT-G-035-2-4-20140224	480-55212-28	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U	υ	180	160	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-NITROPHENOL	2/28/2014		Yes	N	U	U	180	8.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-NITROANILINE	2/28/2014		Yes	N	U	U	350	58	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U	U	180	2.2	ug/kg

Analytical Method SW	8270D											
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qu <u>al</u>	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		υ	180	48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	IJ		U	180	5.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIBENZOFURAN	2/28/2014		Yes	N	U		υ	180	1.9	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		υ	180	5.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	FLUORANTHENE	2/28/2014		Yes	Ν	U		U	180	2.6	ug/kg
LT-G-035-2-4-20140224	480-55212-28	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-2-4-20140224	480-55212-28	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	υ		U	180	14	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg

Analytical Method SW	8270D										
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U	U	180	9.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PHENANTHRENE	2/28/2014		Yes	N	U	U	180	3.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PHENOL	2/28/2014		Yes	N	U	U	180	19	ug/kg
LT-G-035-2-4-20140224	480-55212 - 28	PYRENE	2/28/2014		Yes	N	U	U	180	1.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U	U	350	10	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U	U	180	4.7	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U	U	180	54	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACETOPHENONE	2/28/2014		Yes	N	U	U	180	9.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-NITROANILINE	2/28/2014		Yes	N	U	U	350	20	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-NITROPHENOL	2/28/2014		Yes	N	U	U	350	44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PENTACHLOROPHENOL	2/28/2014		Yes	N	U	U	350	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	CARBAZOLE	2/28/2014		Yes	N	U	υ	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACENAPHTHYLENE	2/28/2014		Yes	N	υ	U	180	1.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ANTHRACENE	2/28/2014		Yes	N	U	U	180	4.6	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ATRAZINE	2/28/2014		Yes	N	U	U	180	8.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZALDEHYDE	2/28/2014		Yes	N	U	U	180	20	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U	U	180	3.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(A)PYRENE	2/28/2014		Yes	N	U	U	180	4.3	ug/kg
LT-G-035-2-4-20140224	480-55212 - 28	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U	U	180	9.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U	U	180	15	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACENAPHTHENE	2/28/2014		Yes	N	U	U	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U	U	180	3.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U	U	180	58	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U	U	180	19	ug/kg

Analytical Method SW												
Sample ID	Lab Sample D	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	CAPROLACTAM	2/28/2014		Yes	Ν	U		U	180	78	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014	91	Yes	Υ	J		J	180	58	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	UJ	υJ	180	2.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIETHYL PHTHALATE	2/28/2014		Yes	N	U	UJ	บม	180	5.4	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-CHLOROETHYL) ETHER (2- CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	16	ug/kg
LT-G-035-6-8-20140224	480-55212-29	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-035-6-8-20140224	480-55212-29	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		υ	180	14	ug/kg
LT-G-035-6-8-20140224	480-55212 - 29	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg

Analytical Method	SW8270D				· · · · · · ·							
Sample ID	Lab Sample D	Chemical Name	Anai Date	Result	Report	<u>Detect</u>	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-6-8-2014022	4 480-55212-29	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U	UJ	UJ	180	5.0	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U	υJ	UJ	180	9.2	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	HEXACHLOROBENZENE	2/28/2014		Yes	N	υ	UJ	UJ	180	8.9	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	Ņ	U		U	350	62	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2-NITROPHENOL	2/28/2014		Yes	N	υ		U	180	8.2	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-035-6-8-2014022	4 480-55212-29	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	49	ug/kg

LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48	180-55212-29 180-55212-29 180-55212-29 180-55212-29	Chemical Name 2,4-DICHLOROPHENOL 2,4,6-TRICHLOROPHENOL 2,4,5-TRICHLOROPHENOL 2-CHLOROPHENOL ACENAPHTHYLENE BENZO(G,H,I)PERYLENE BENZO(B)FLUORANTHENE	Anal Date 2/28/2014 2/28/2014 2/28/2014 2/28/2014 2/28/2014 2/28/2014 2/28/2014	Result	Yes Yes Yes Yes Yes Yes Yes Yes	N N N N N	Lab Qual U U U U U U U	Val Qual	Final qual U U U U U U U U	180 180 180 180 180	9.4 12 39 9.2 1.5	ug/kg ug/kg ug/kg ug/kg ug/kg
LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224 LT-G-035-6-8-20140224	180-55212-29 180-55212-29 180-55212-29 180-55212-29 180-55212-29 180-55212-29	2,4,6-TRICHLOROPHENOL 2,4,5-TRICHLOROPHENOL 2-CHLOROPHENOL ACENAPHTHYLENE BENZO(G,H,I)PERYLENE	2/28/2014 2/28/2014 2/28/2014 2/28/2014 2/28/2014		Yes Yes Yes Yes	N N N	U U U		U U U	180 180 180	12 39 9.2	ug/kg ug/kg ug/kg
LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48	180-55212-29 180-55212-29 180-55212-29 180-55212-29 180-55212-29	2,4,5-TRICHLOROPHENOL 2-CHLOROPHENOL ACENAPHTHYLENE BENZO(G,H,I)PERYLENE	2/28/2014 2/28/2014 2/28/2014 2/28/2014		Yes Yes Yes	N N N	U U U		U	180 180	39 9.2	ug/kg ug/kg
LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48	180-55212-29 180-55212-29 180-55212-29 180-55212-29	2-CHLOROPHENOL ACENAPHTHYLENE BENZO(G,H,I)PERYLENE	2/28/2014 2/28/2014 2/28/2014		Yes Yes	N N	U		U	180	9.2	ug/kg
LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48	180-55212-29 180-55212-29 180-55212-29	ACENAPHTHYLENE BENZO(G,H,I)PERYLENE	2/28/2014 2/28/2014		Yes	N	U		_			
LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44	180-55212-29 180-55212-29	BENZO(G,H,I)PERYLENE	2/28/2014						U	180	1.5	ua/ka
LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44	80-55212-29	, ,			Yes							~59
LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44		BENZO(B)FLUORANTHENE	2/28/2014		100	N	U	υJ	UJ	180	2.2	ug/kg
LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44	80-55212-29				Yes	N	U	UJ	UJ	180	3.5	ug/kg
LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44 LT-G-035-6-8-20140224 44		BENZO(A)PYRENE	2/28/2014		Yes	N	U	UJ	UJ	180	4.3	ug/kg
LT-G-035-6-8-20140224 48 LT-G-035-6-8-20140224 48	80-55212-29	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
	80-55212-29	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		υ	180	57	ug/kg
	80-55212-29	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-6-8-20140224 48	180-55212-29	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U	UJ	UJ	180	2.0	ug/kg
LT-G-035-6-8-20140224 48	80-55212-29	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg